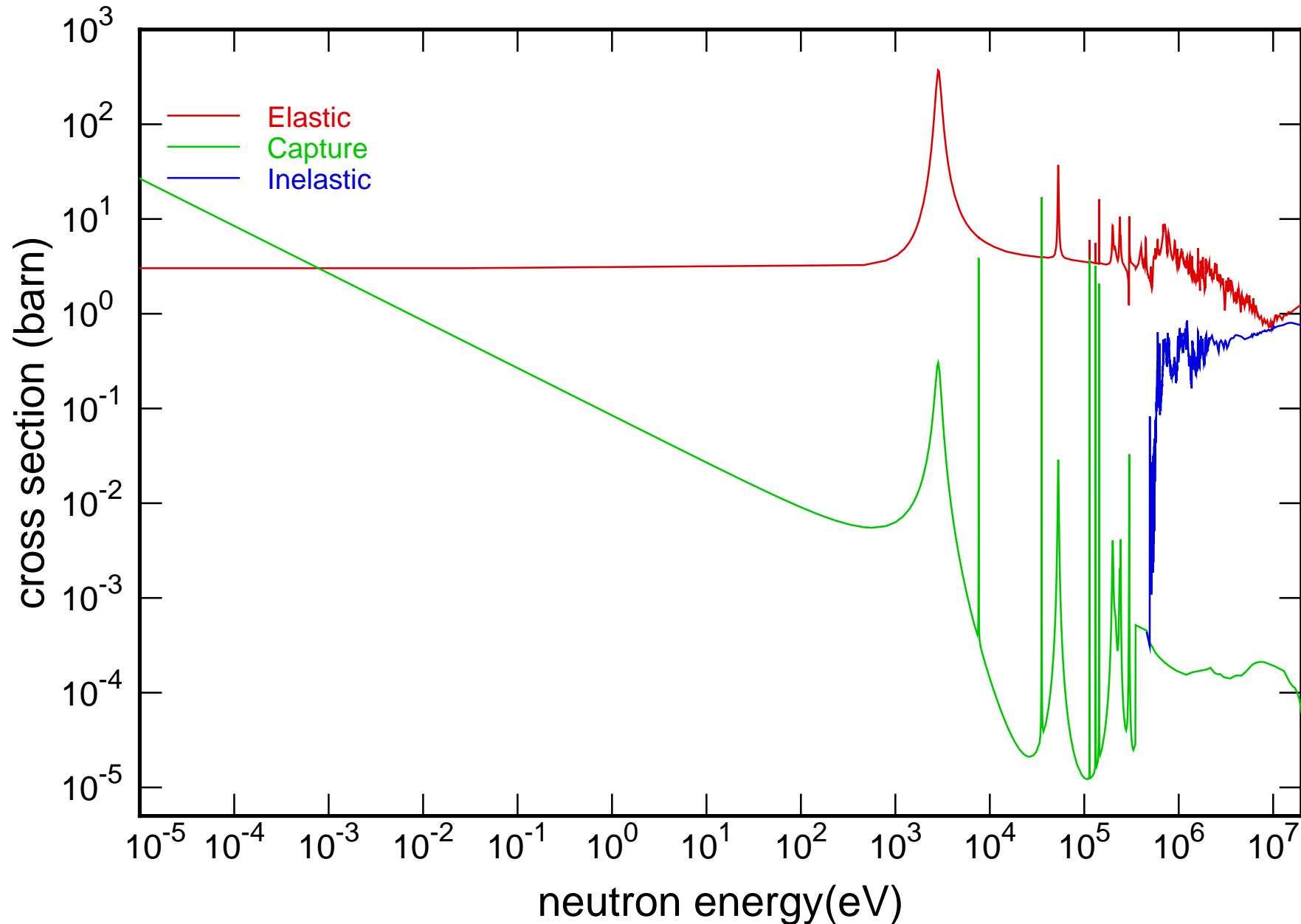
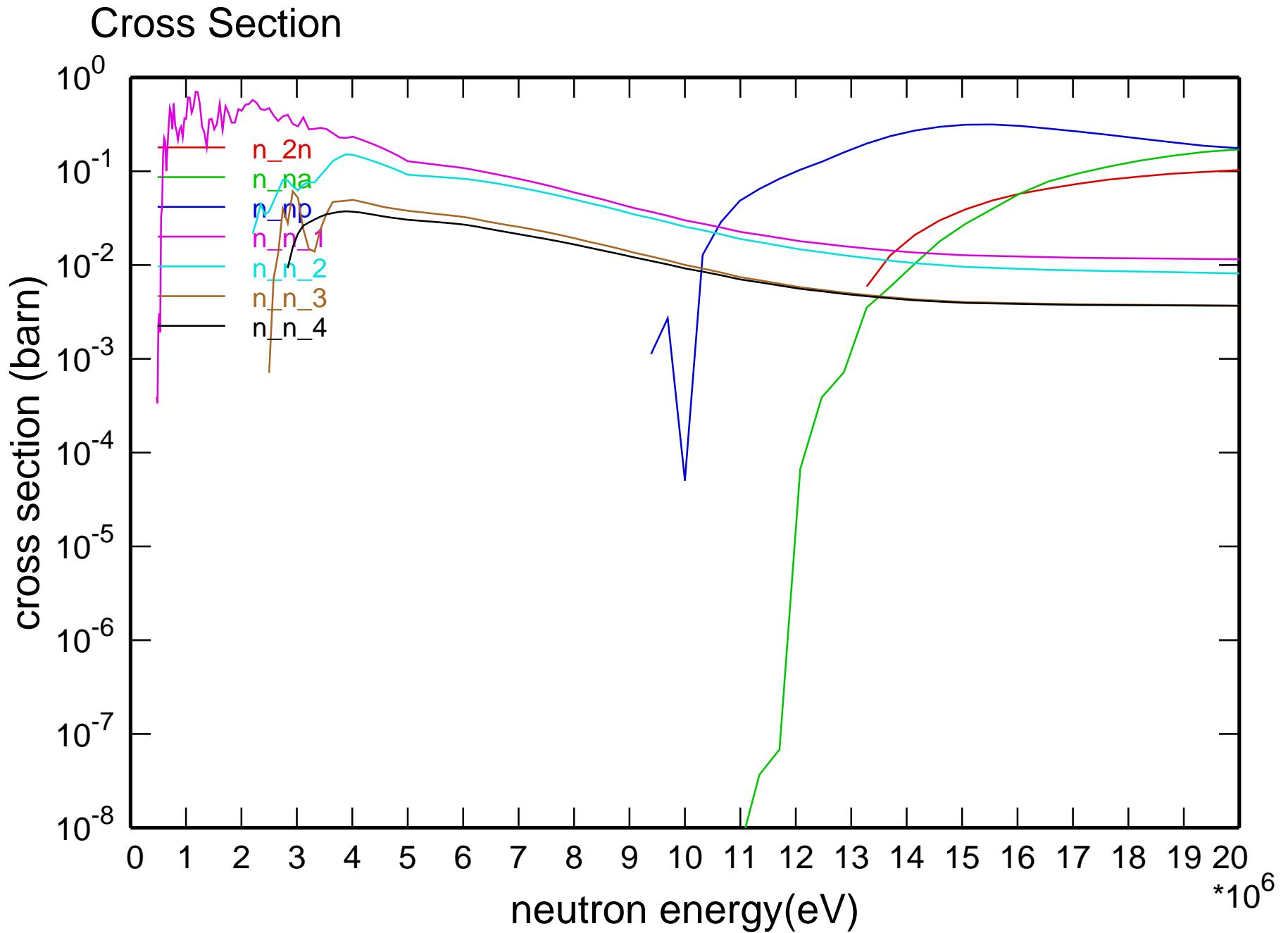
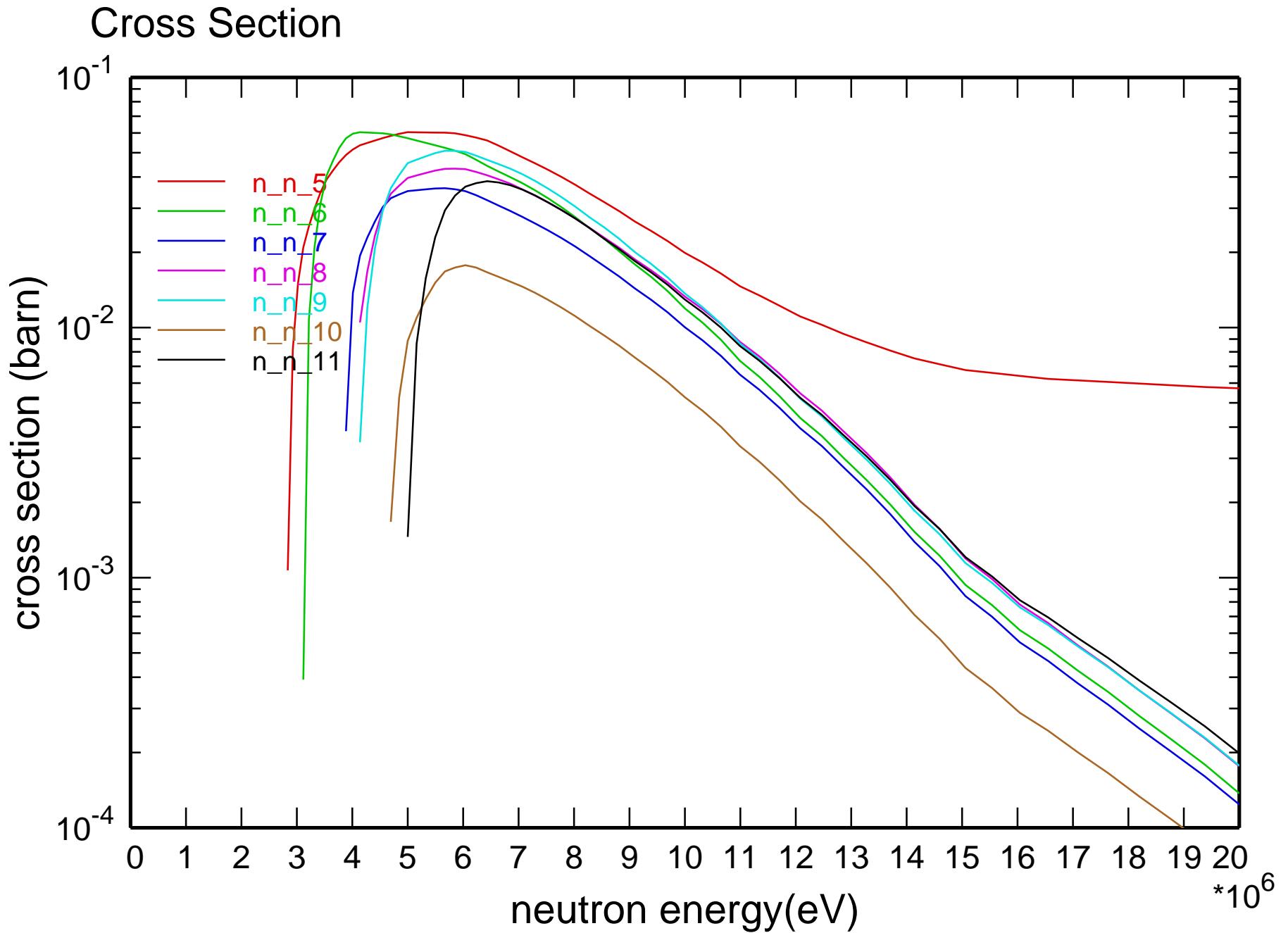


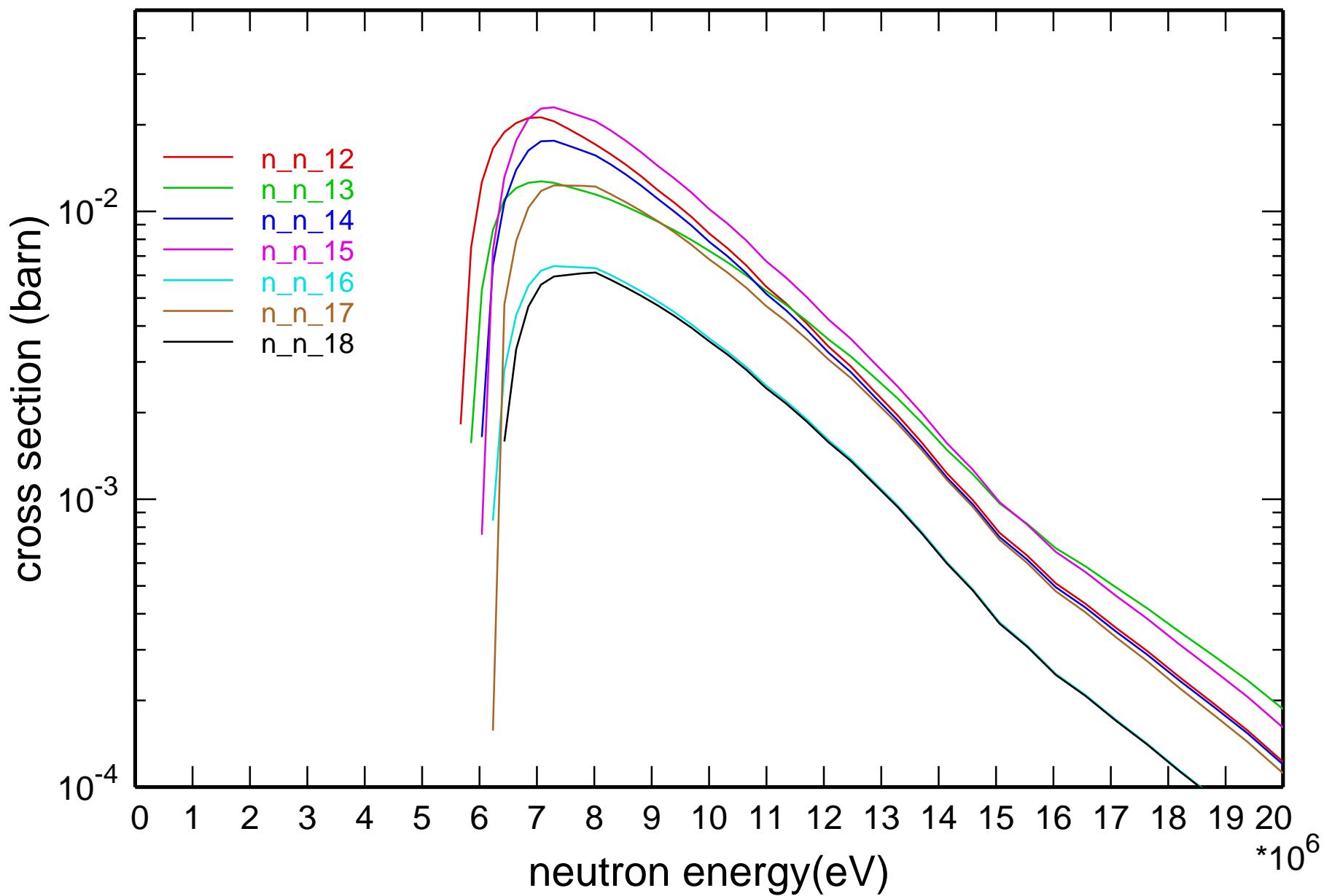
## Main Cross Sections



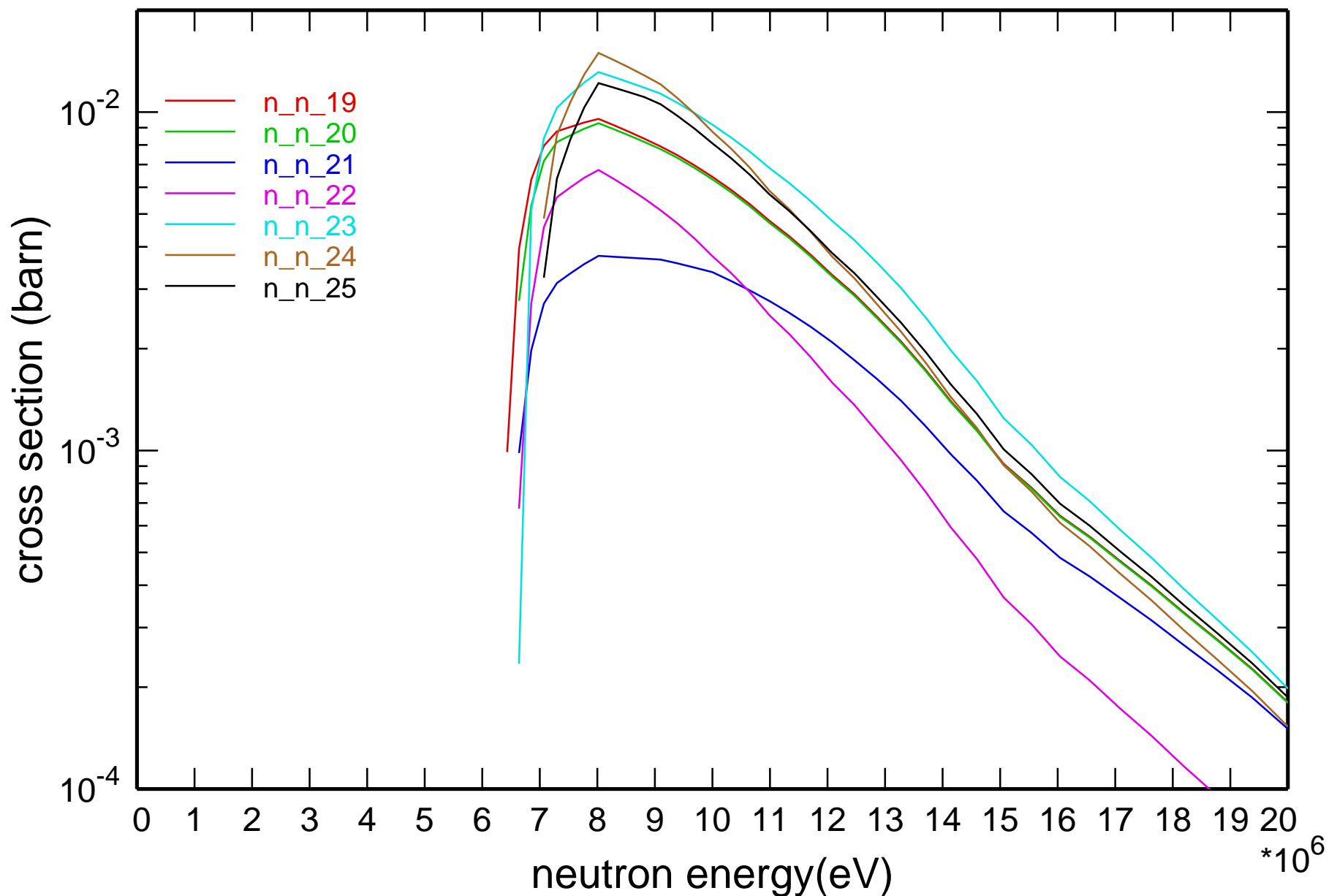


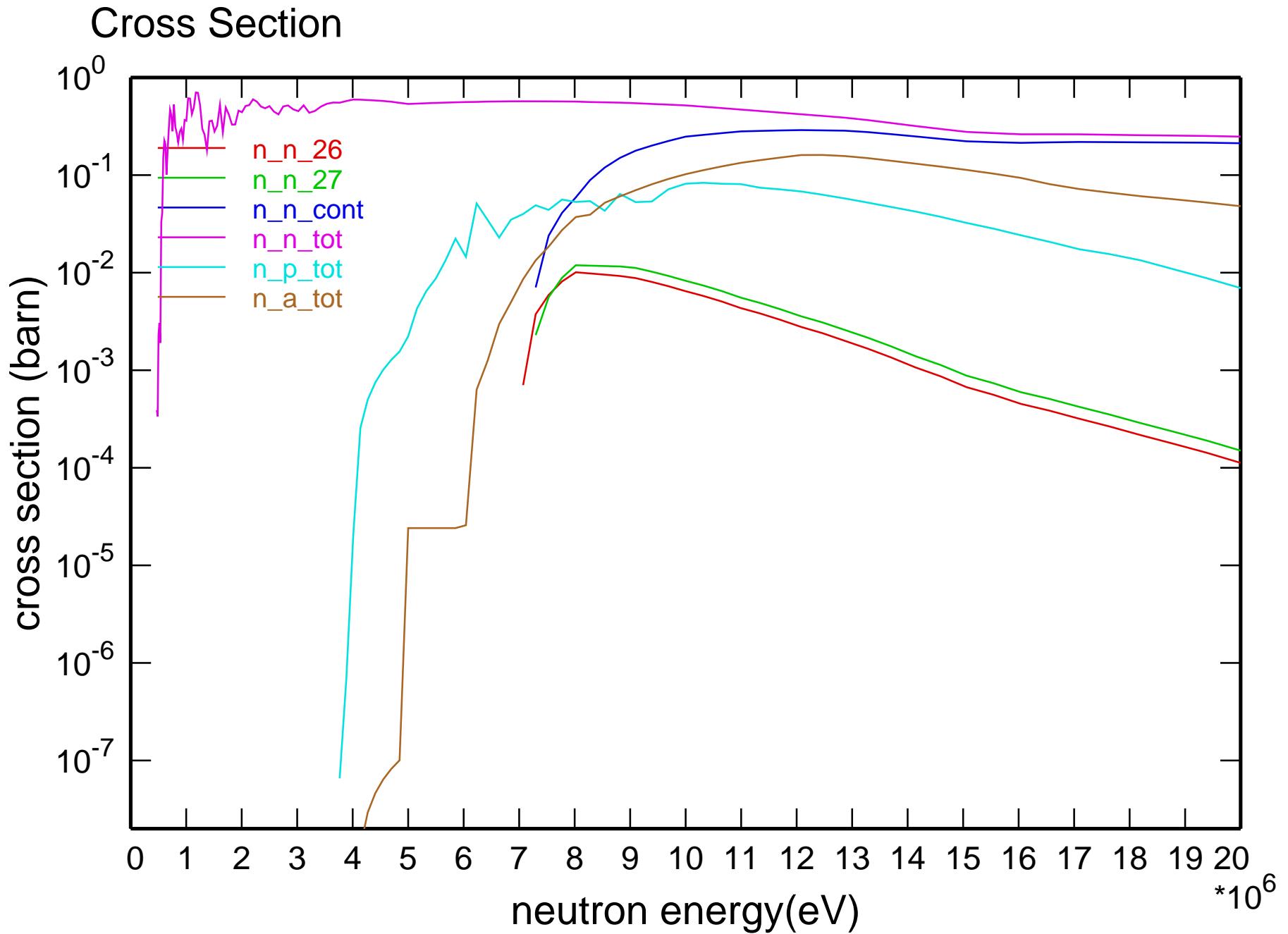


# Cross Section

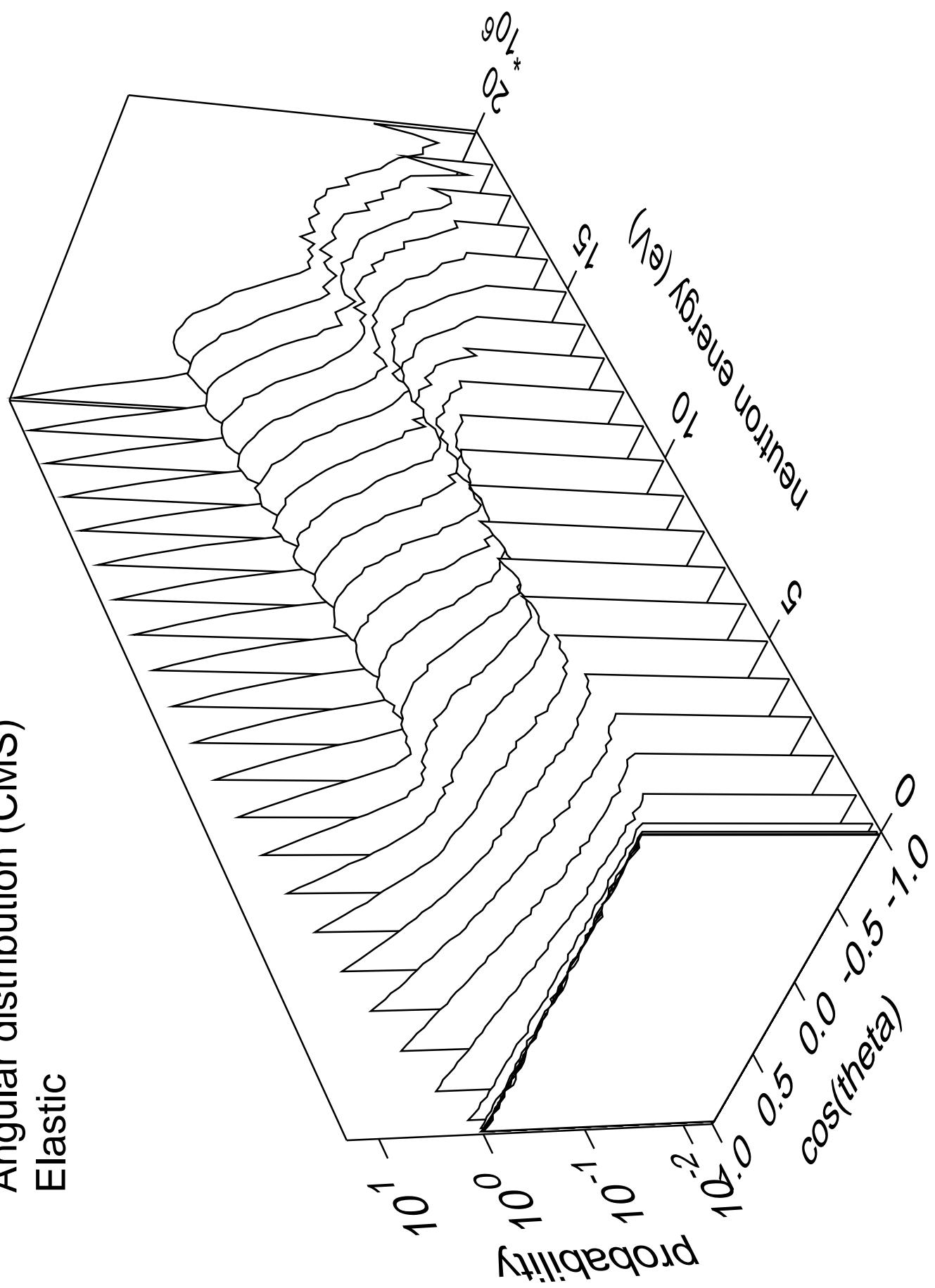


# Cross Section

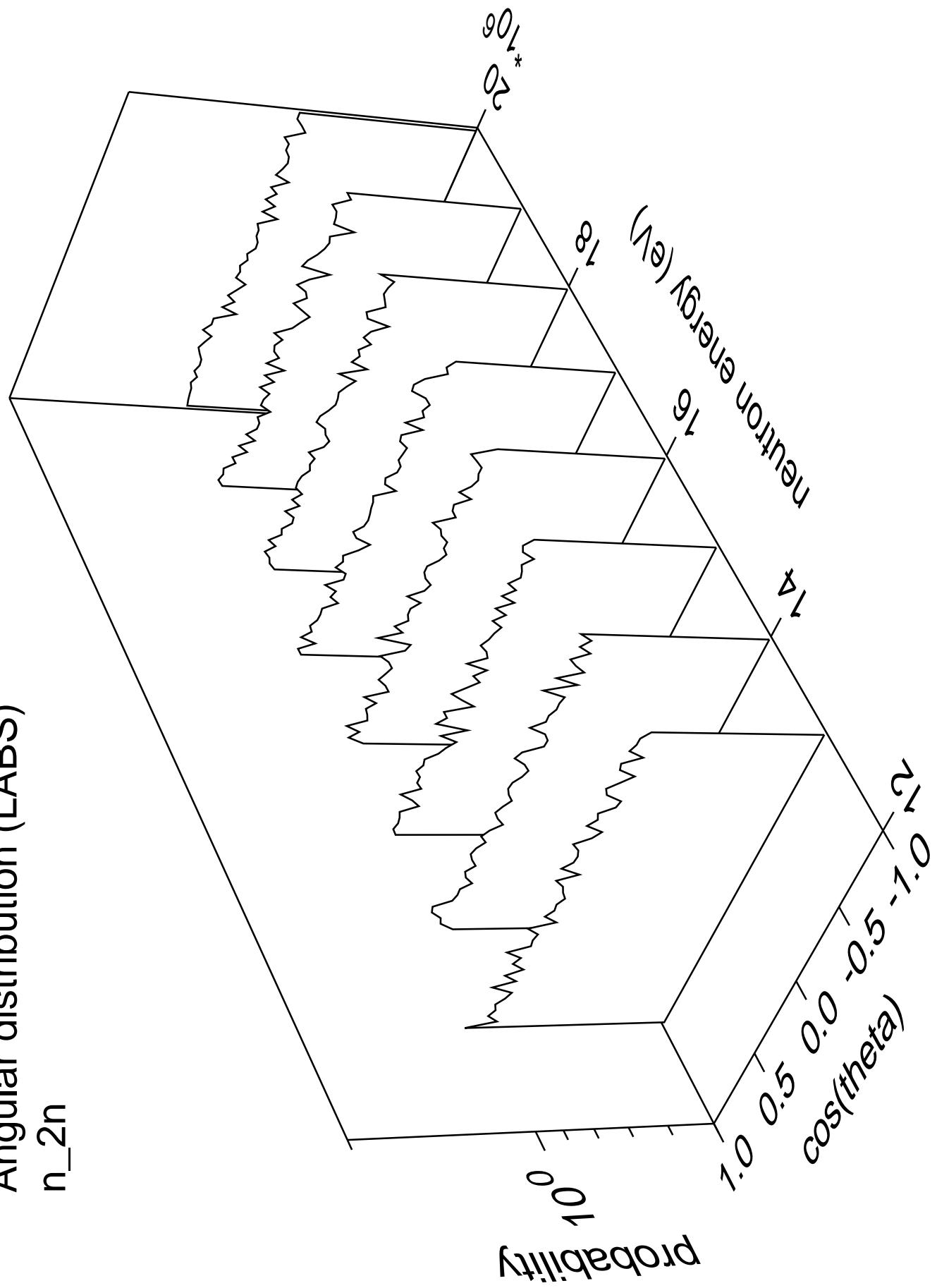


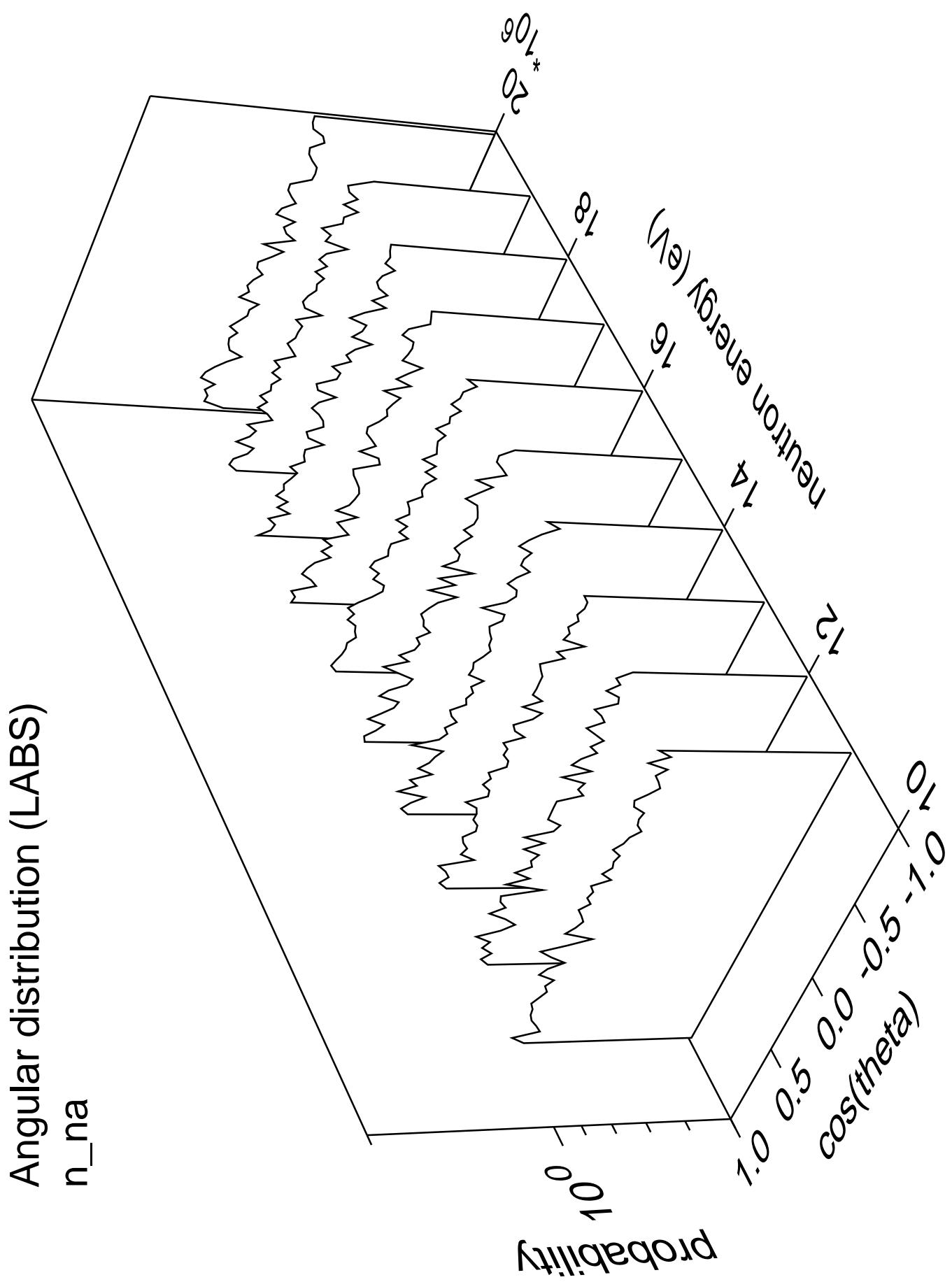


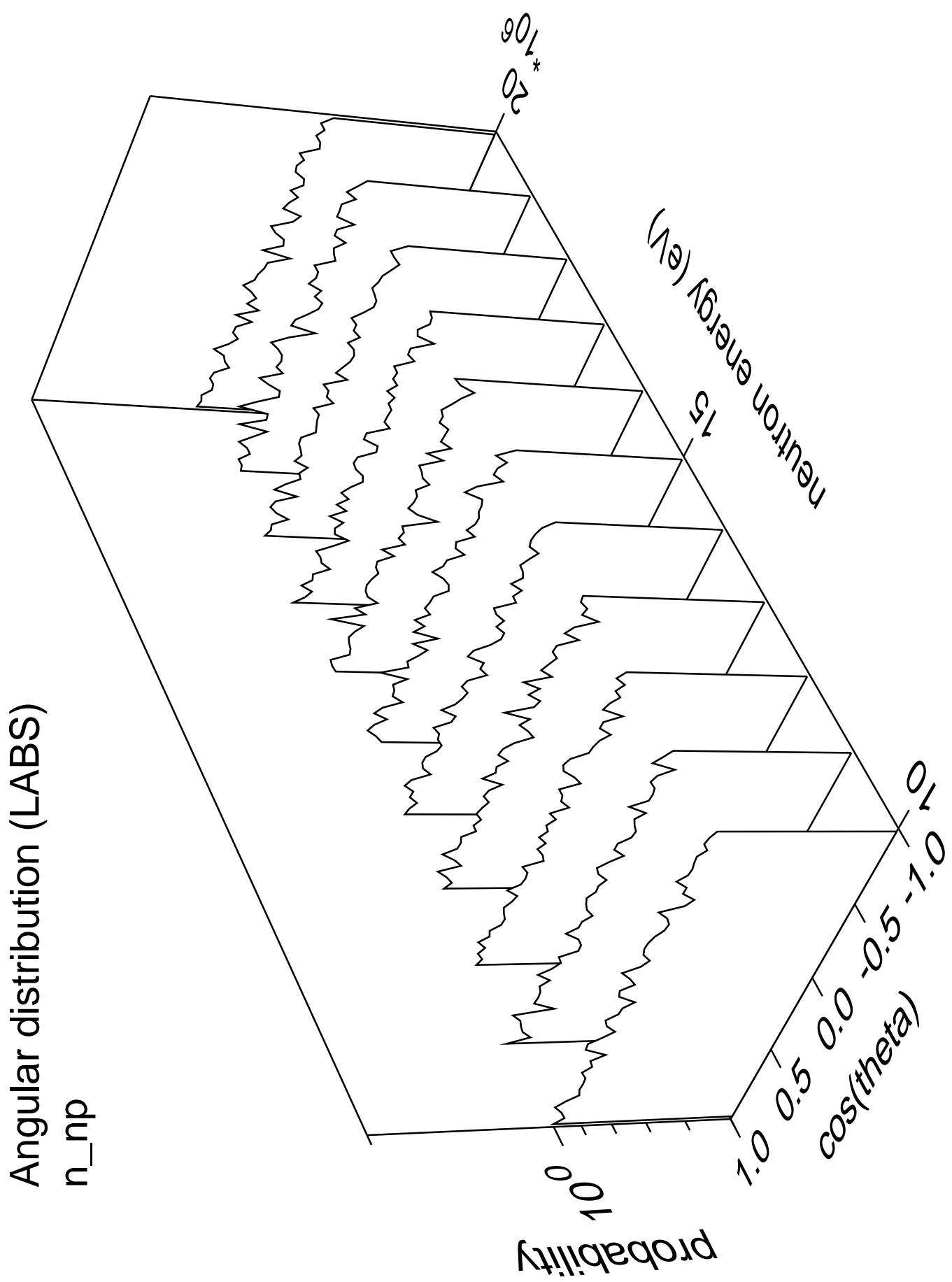
Angular distribution (CMS)  
Elastic

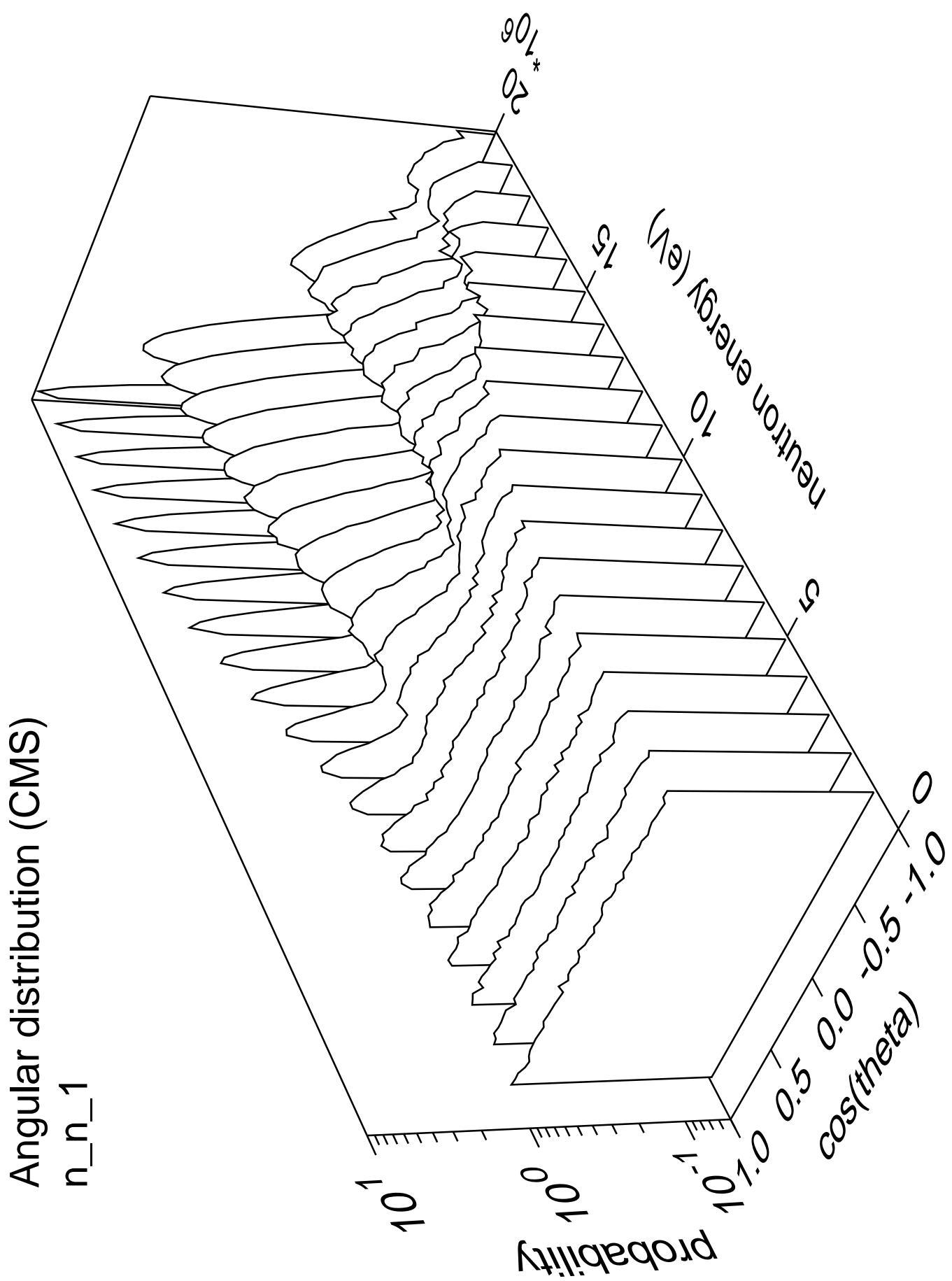


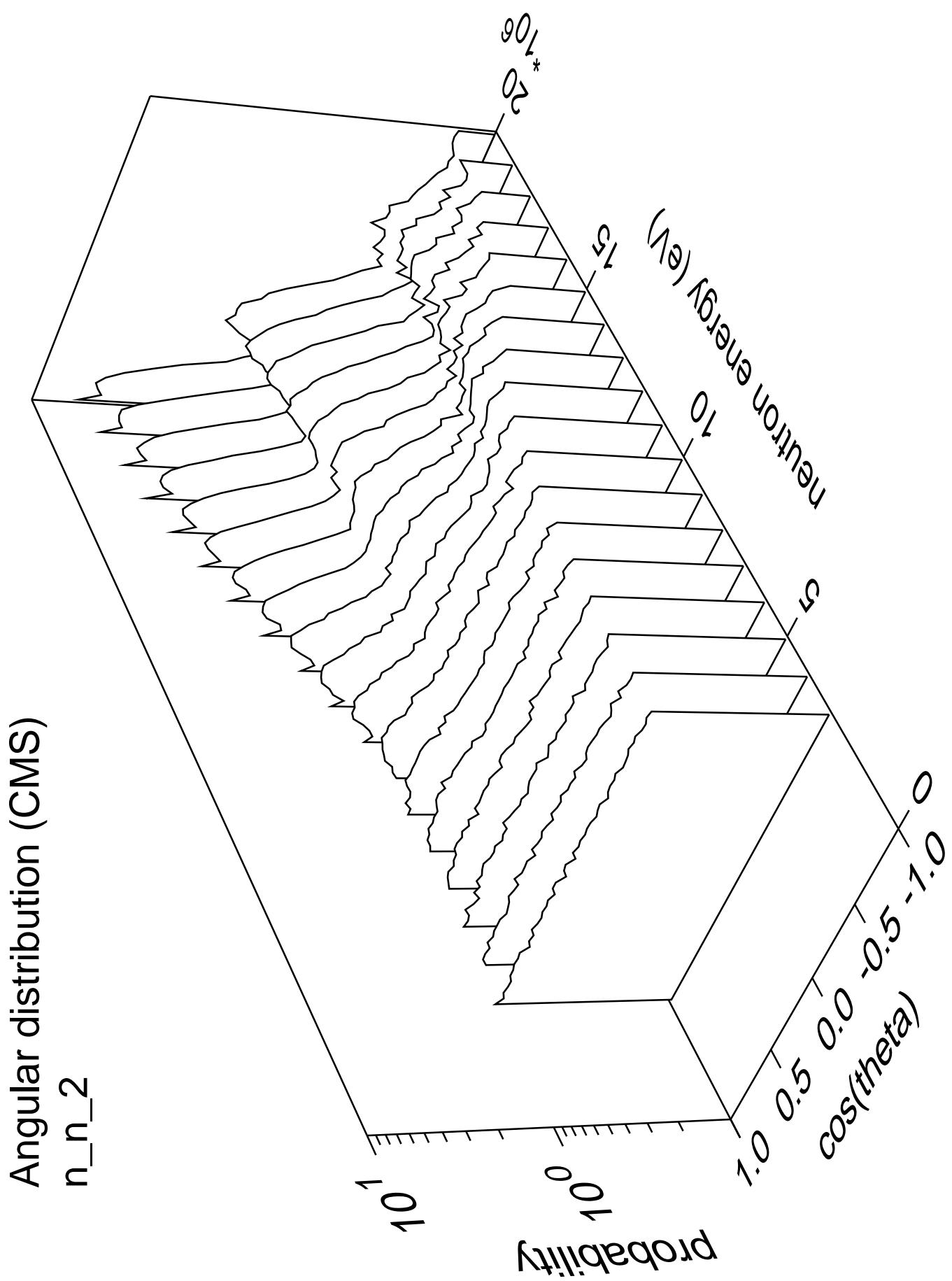
Angular distribution (LABS)  
 $n_{2n}$

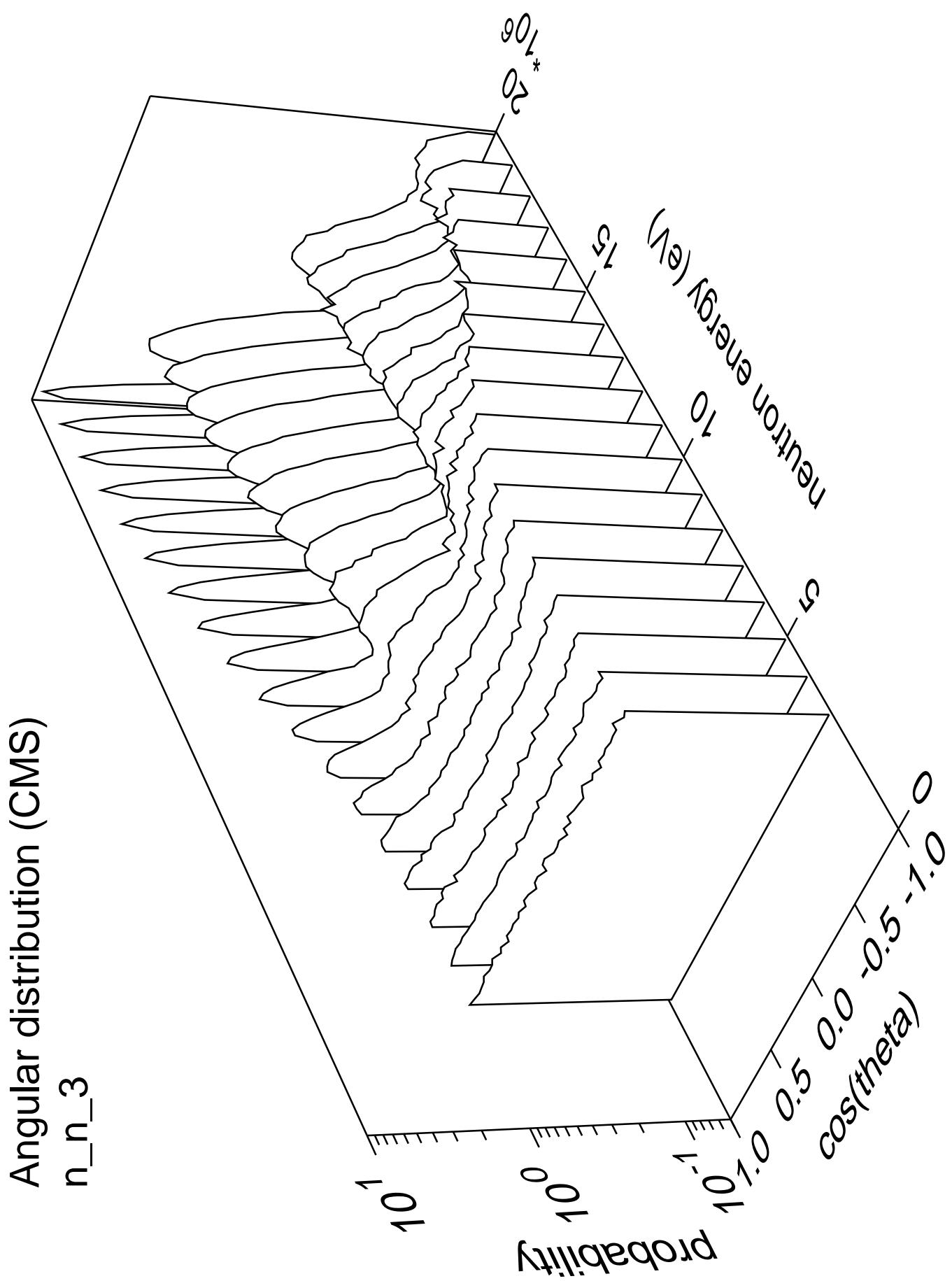


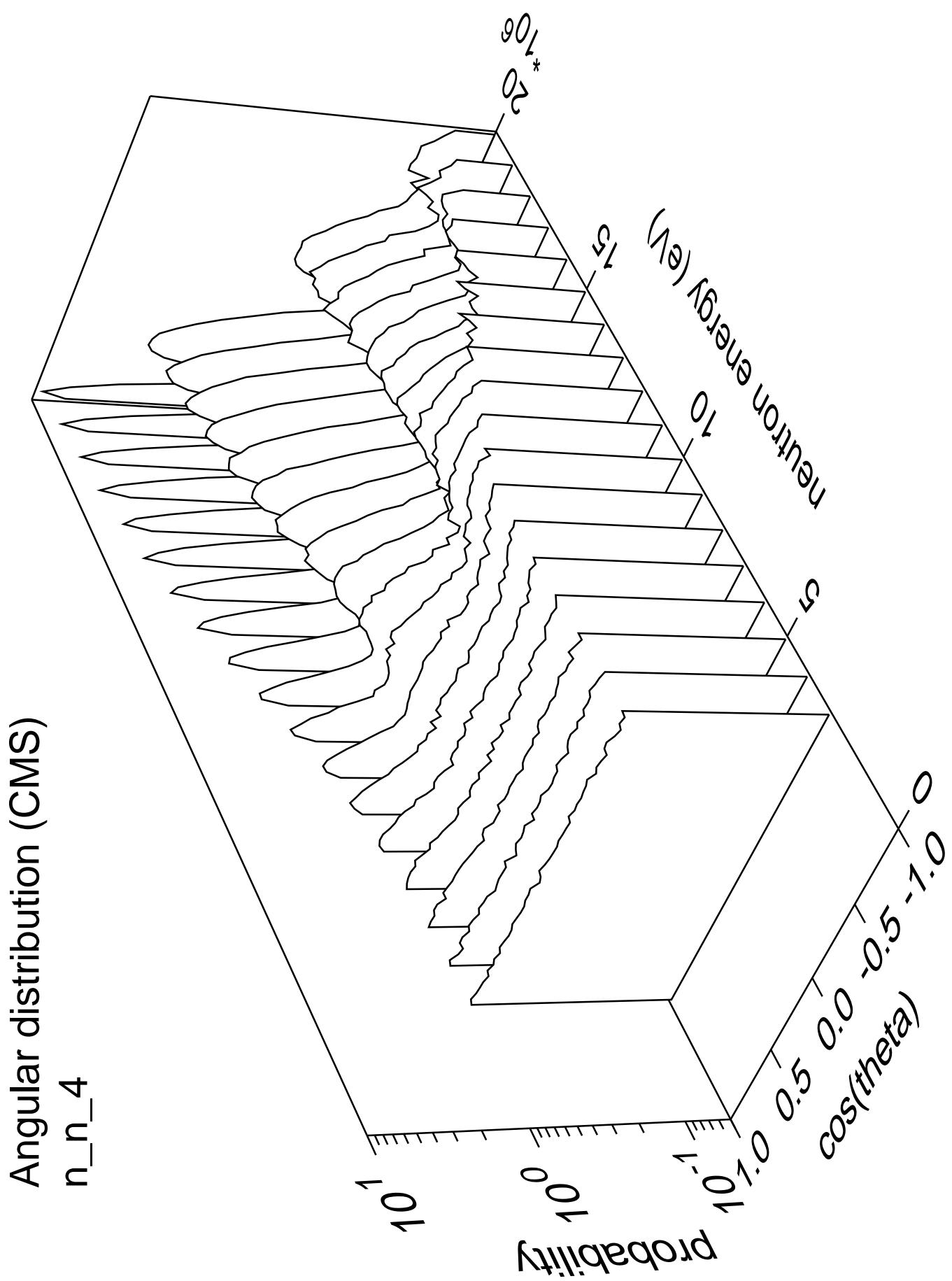


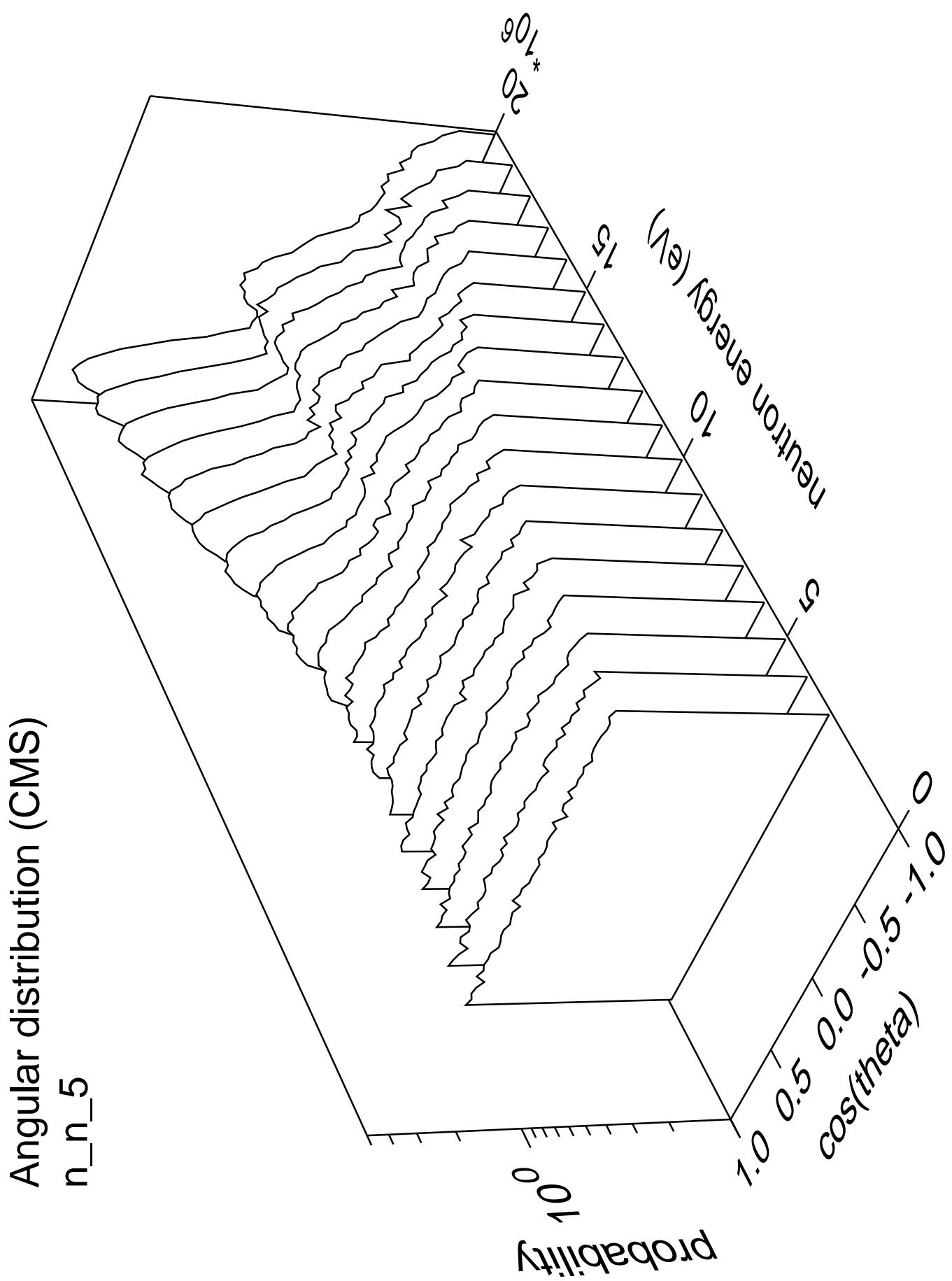


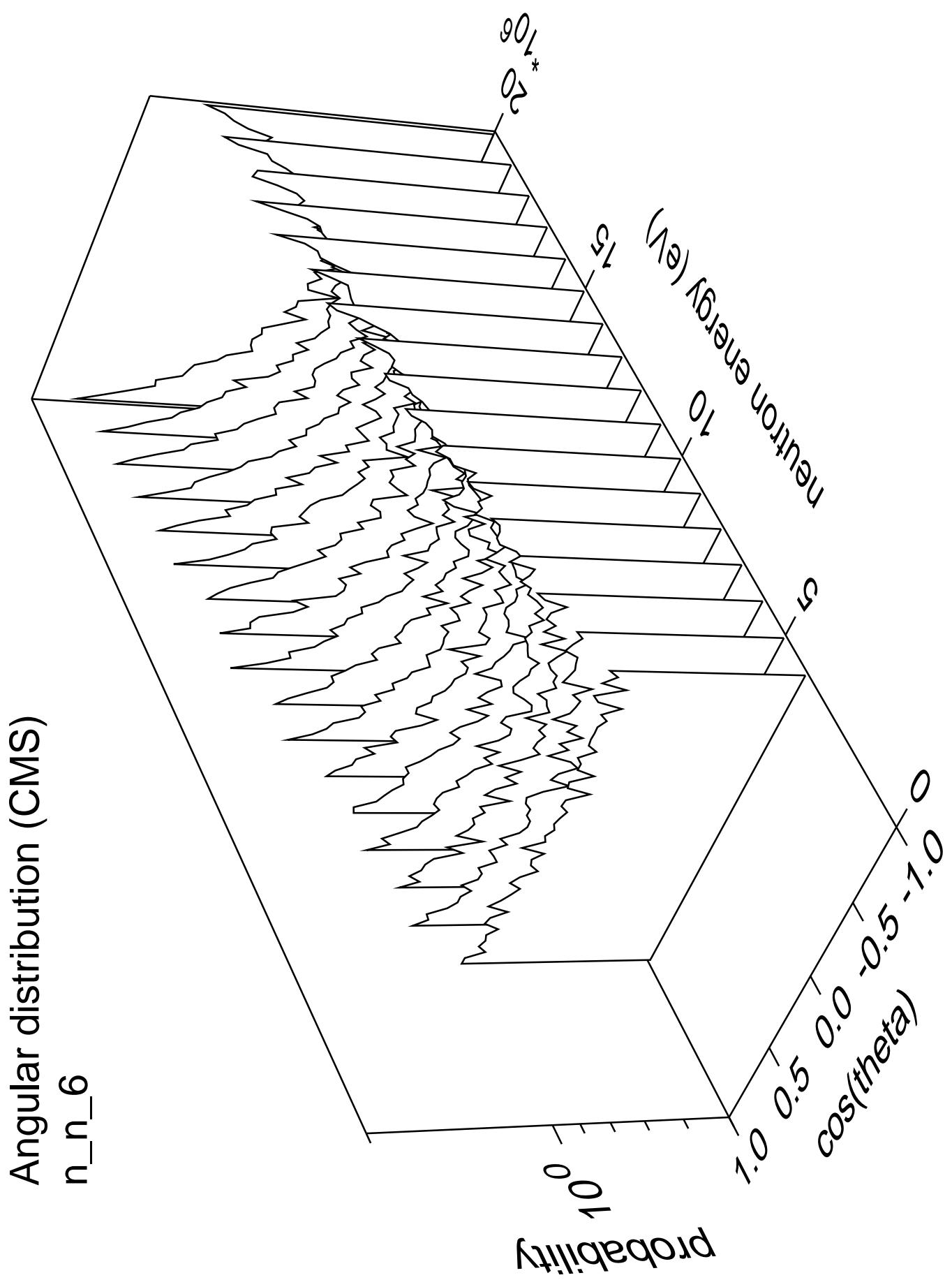


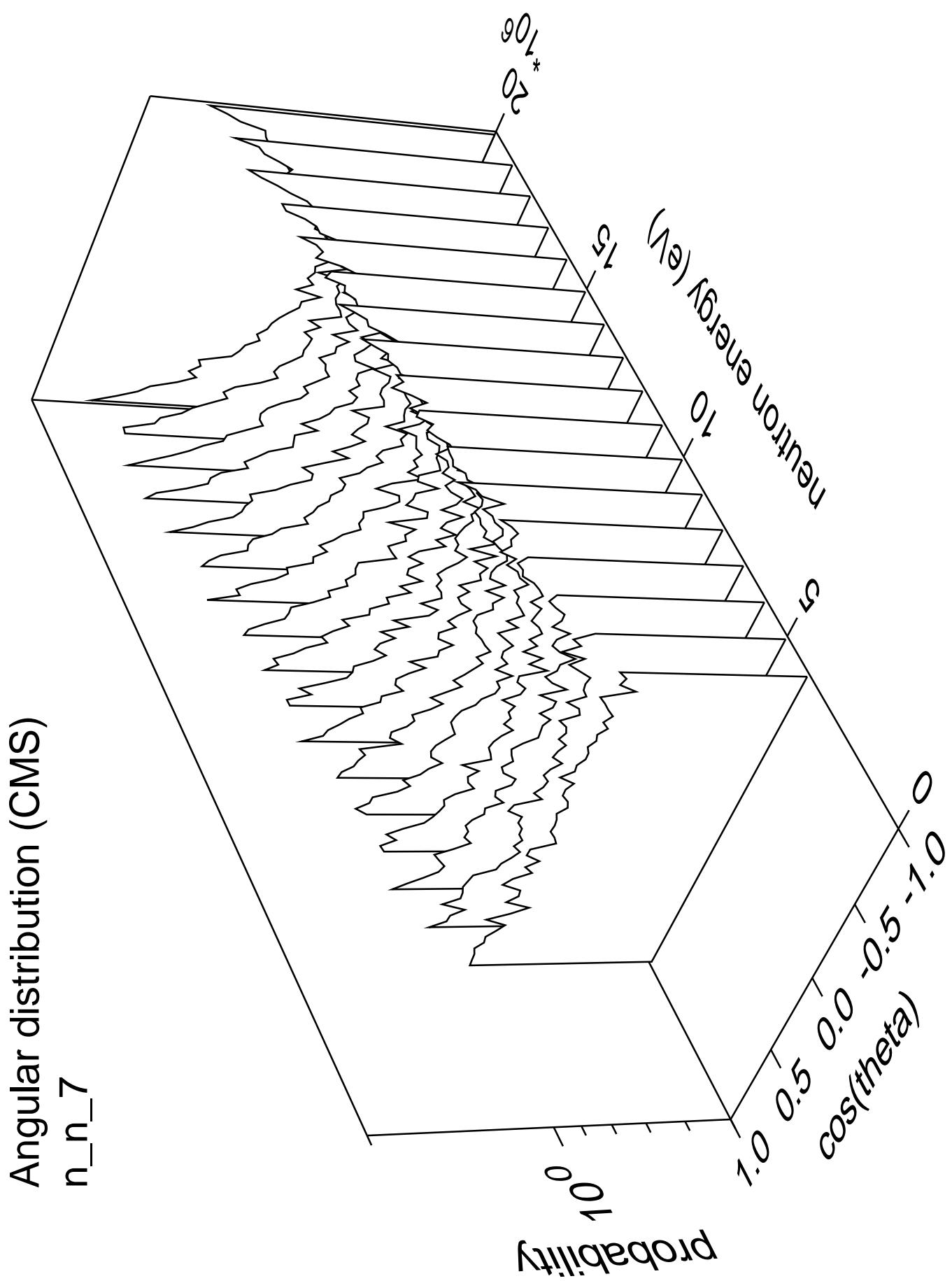


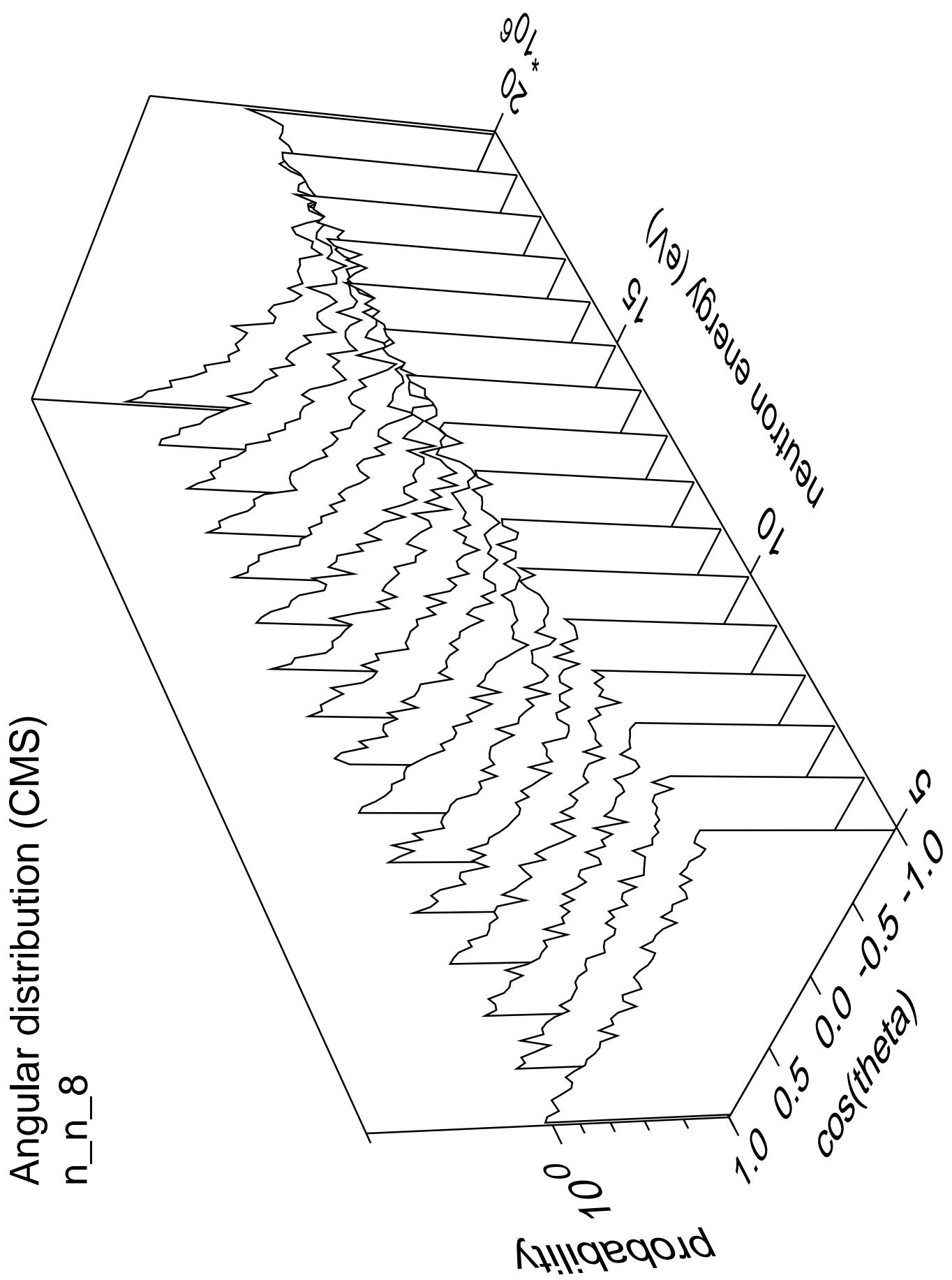


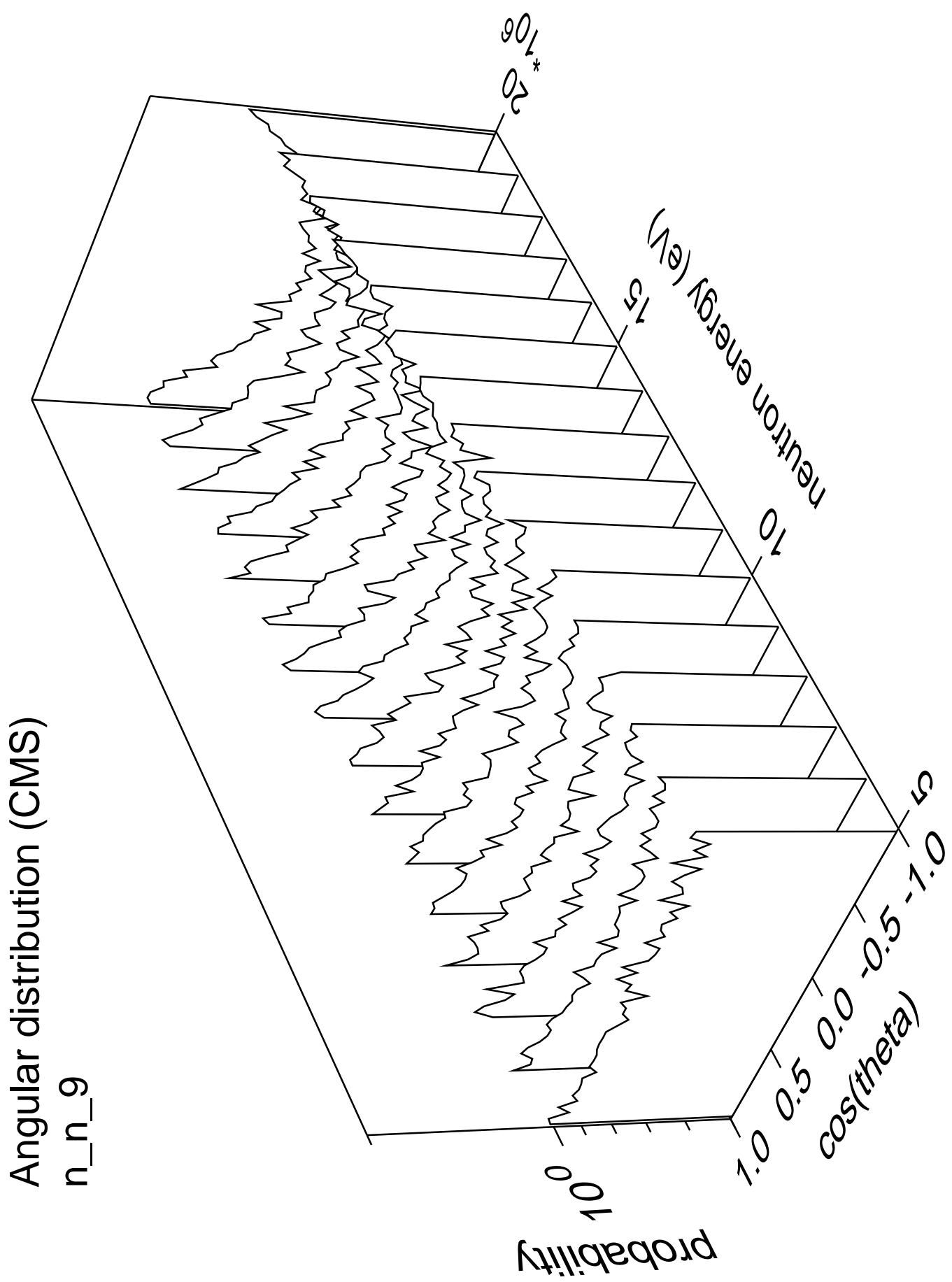


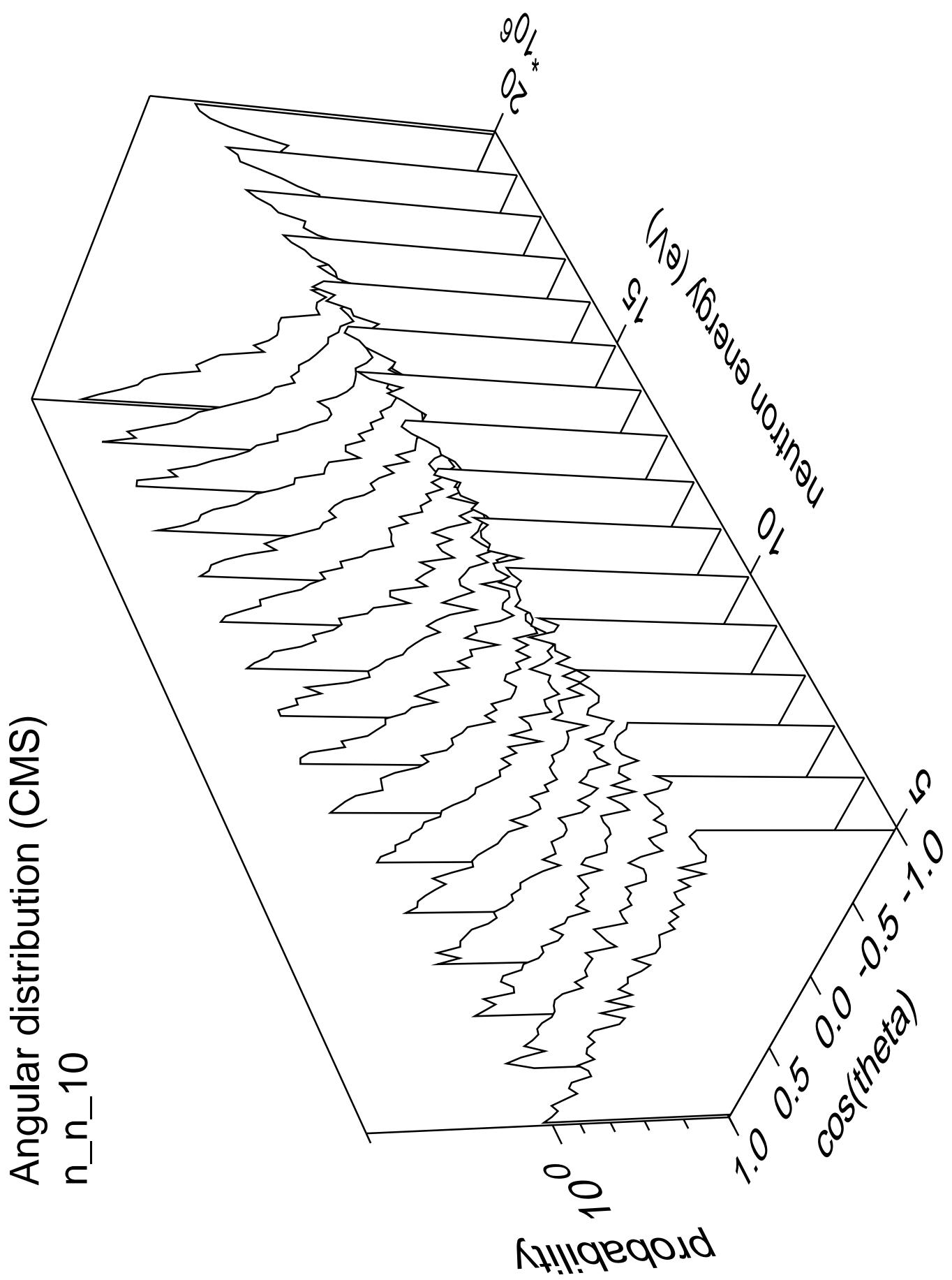


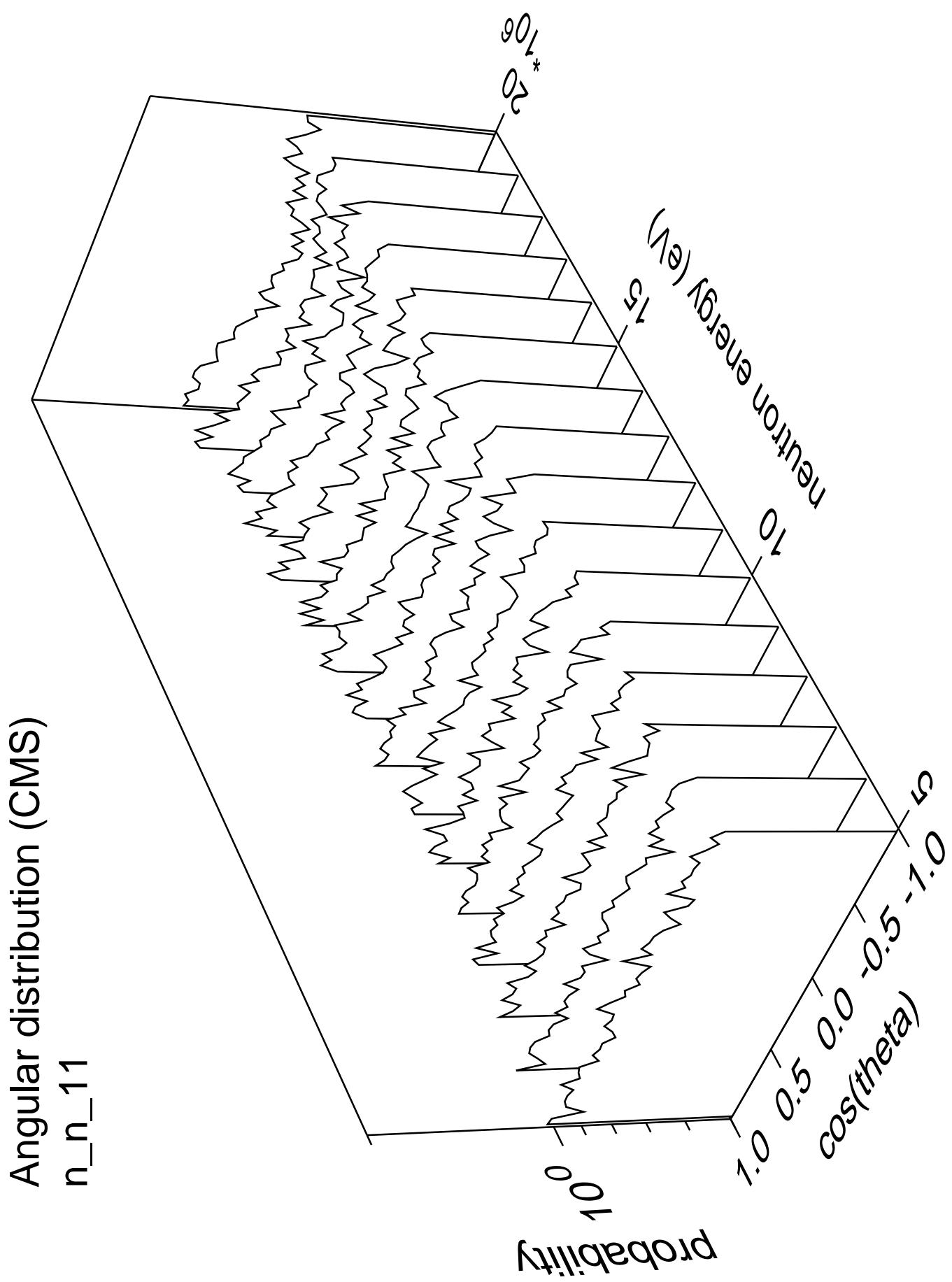


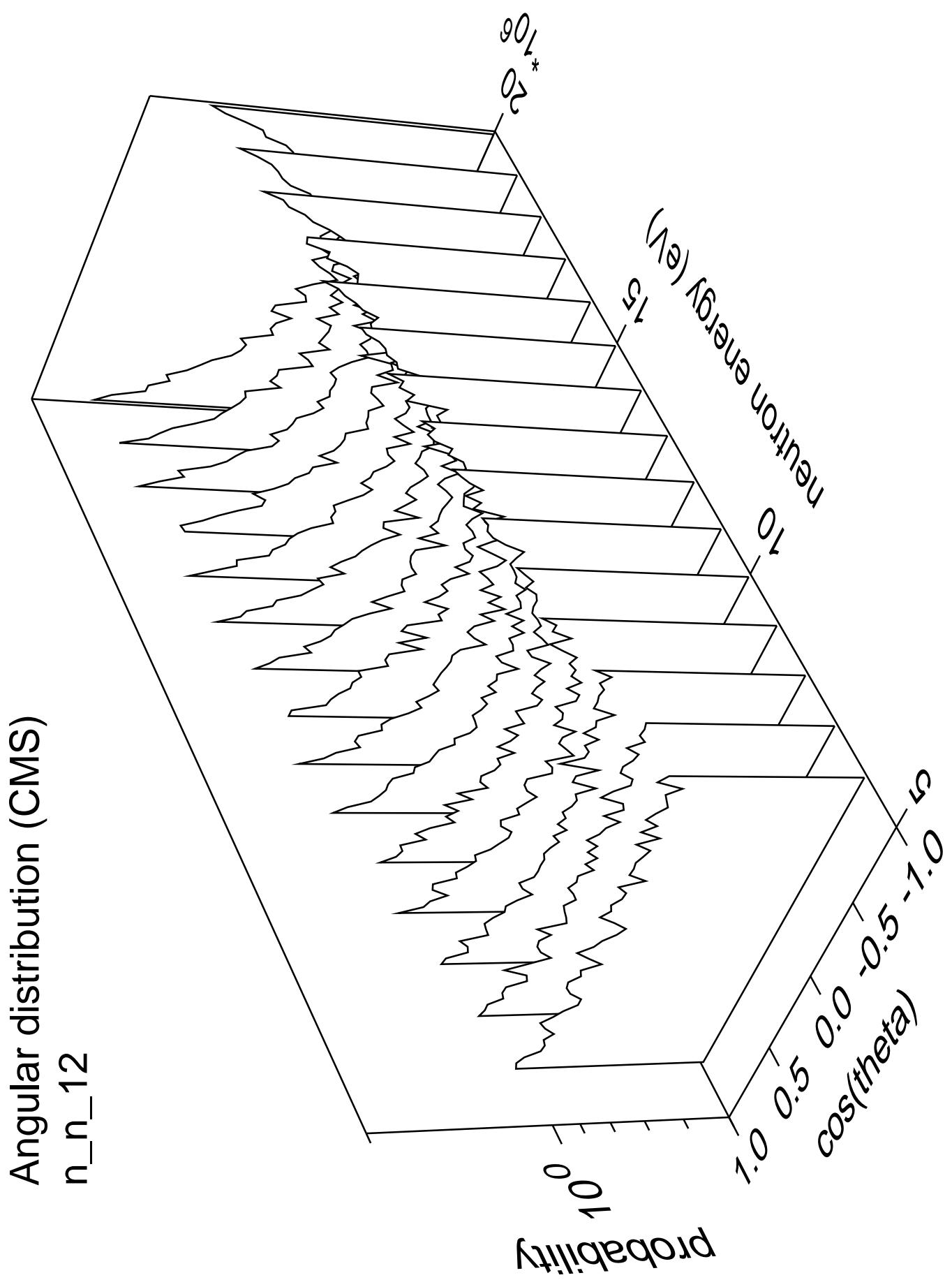


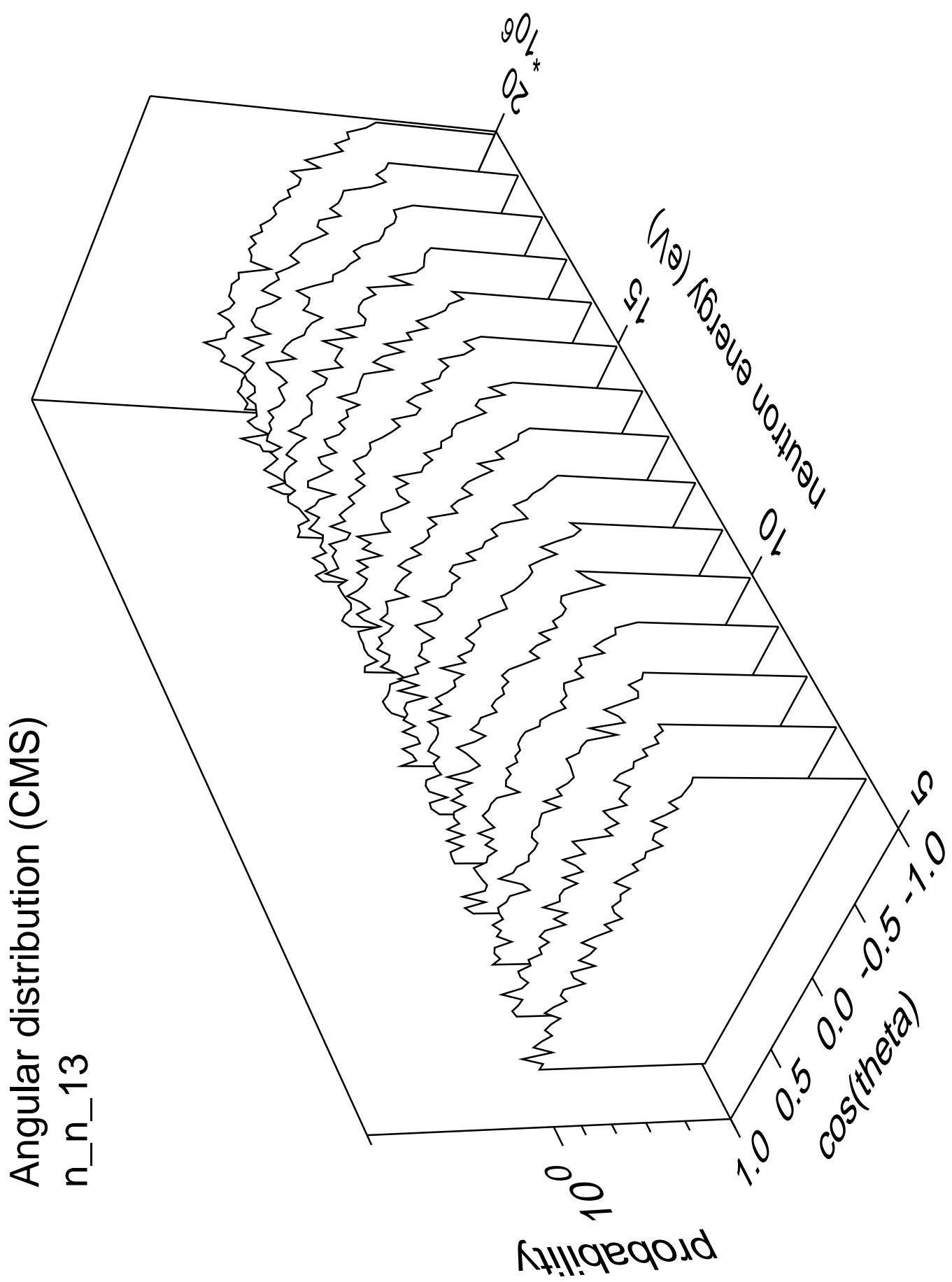


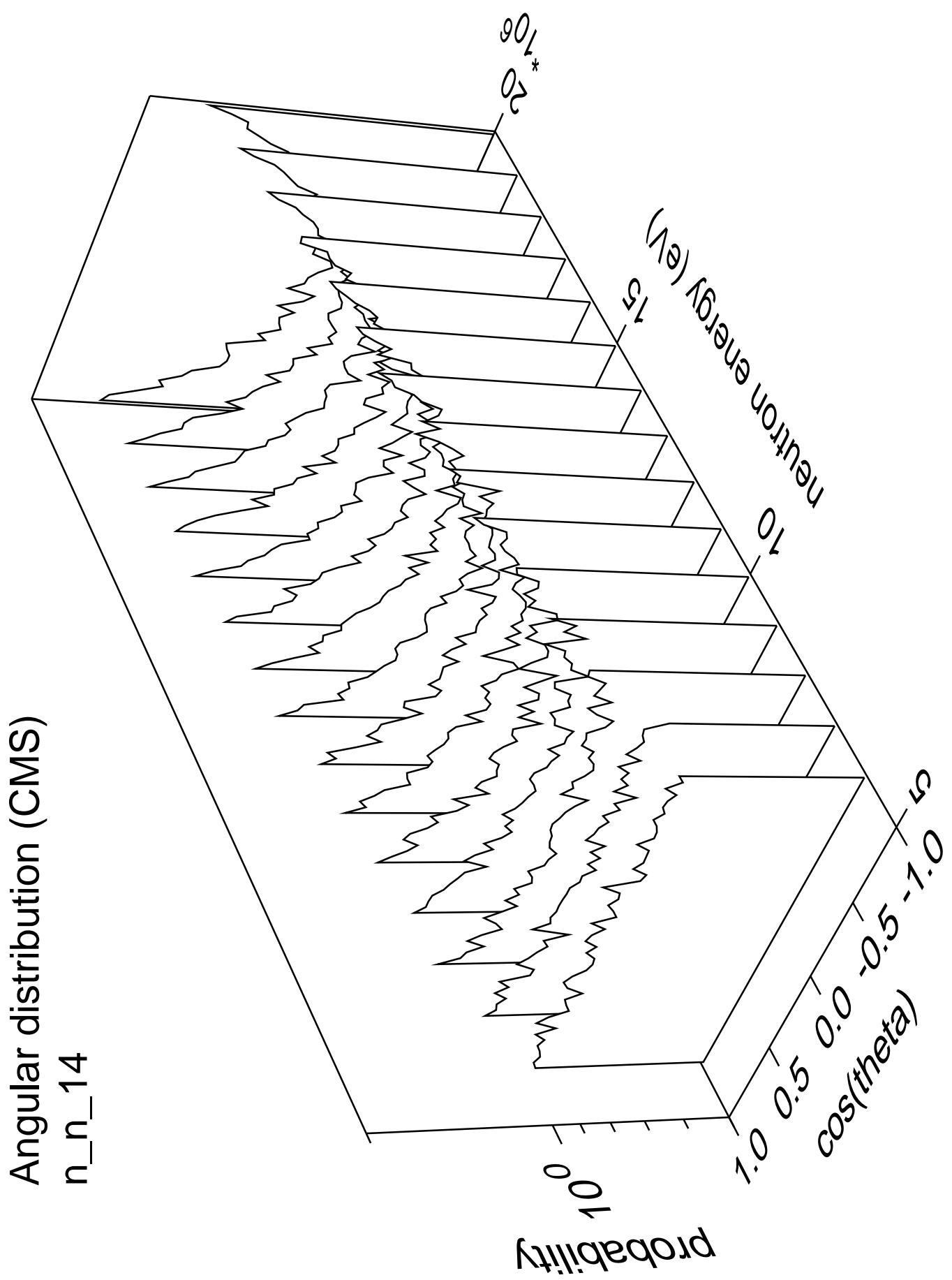


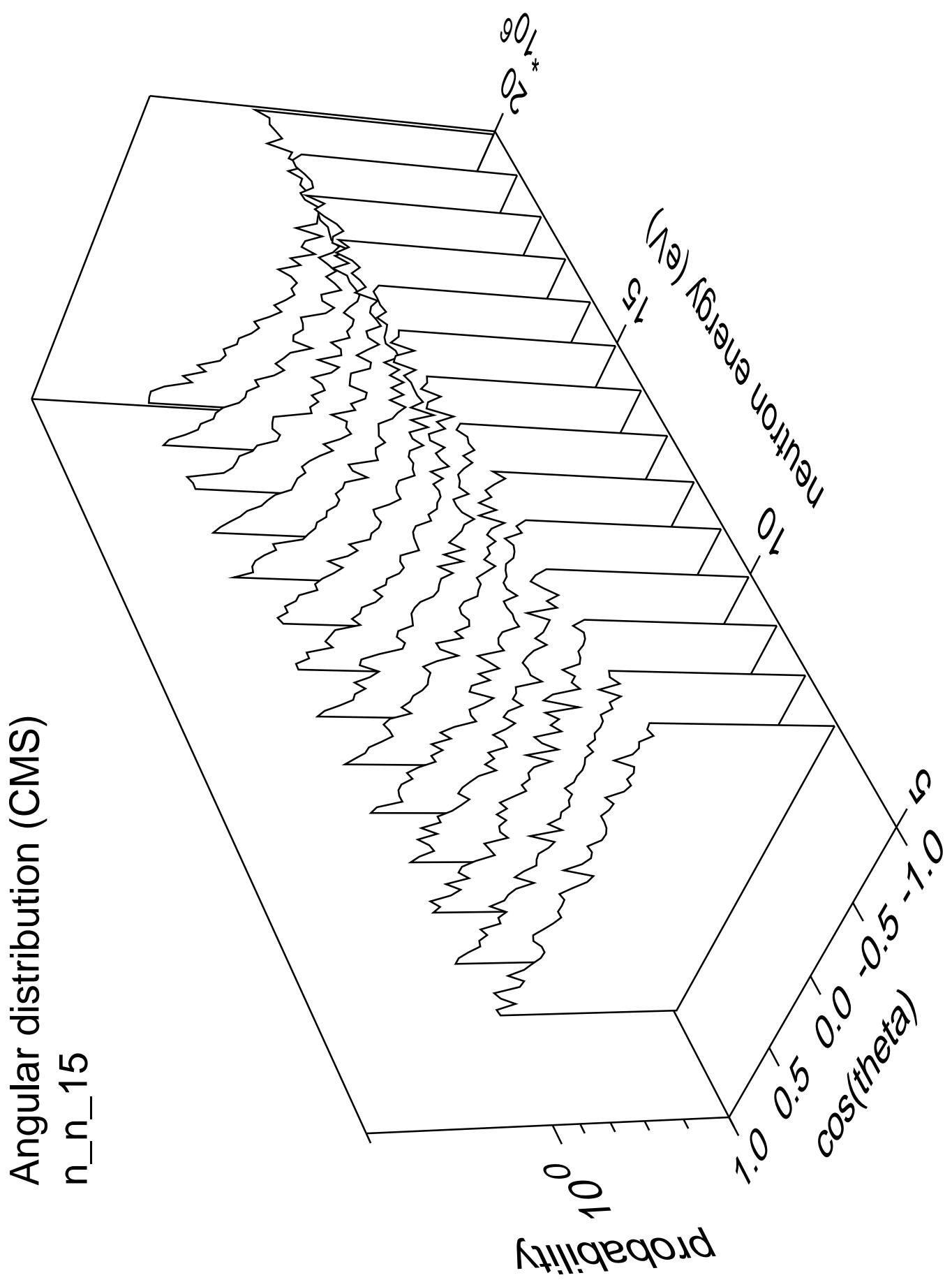


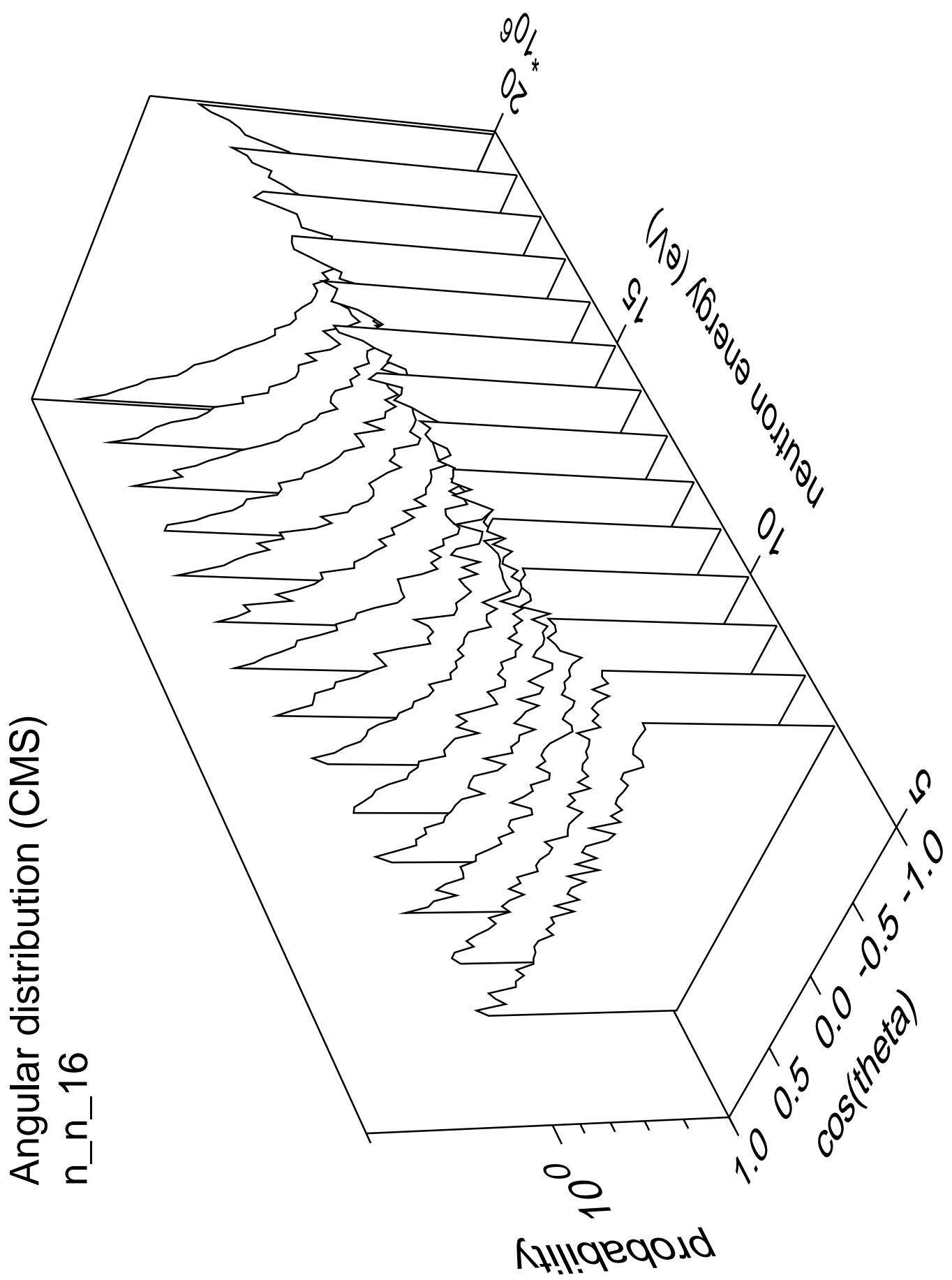


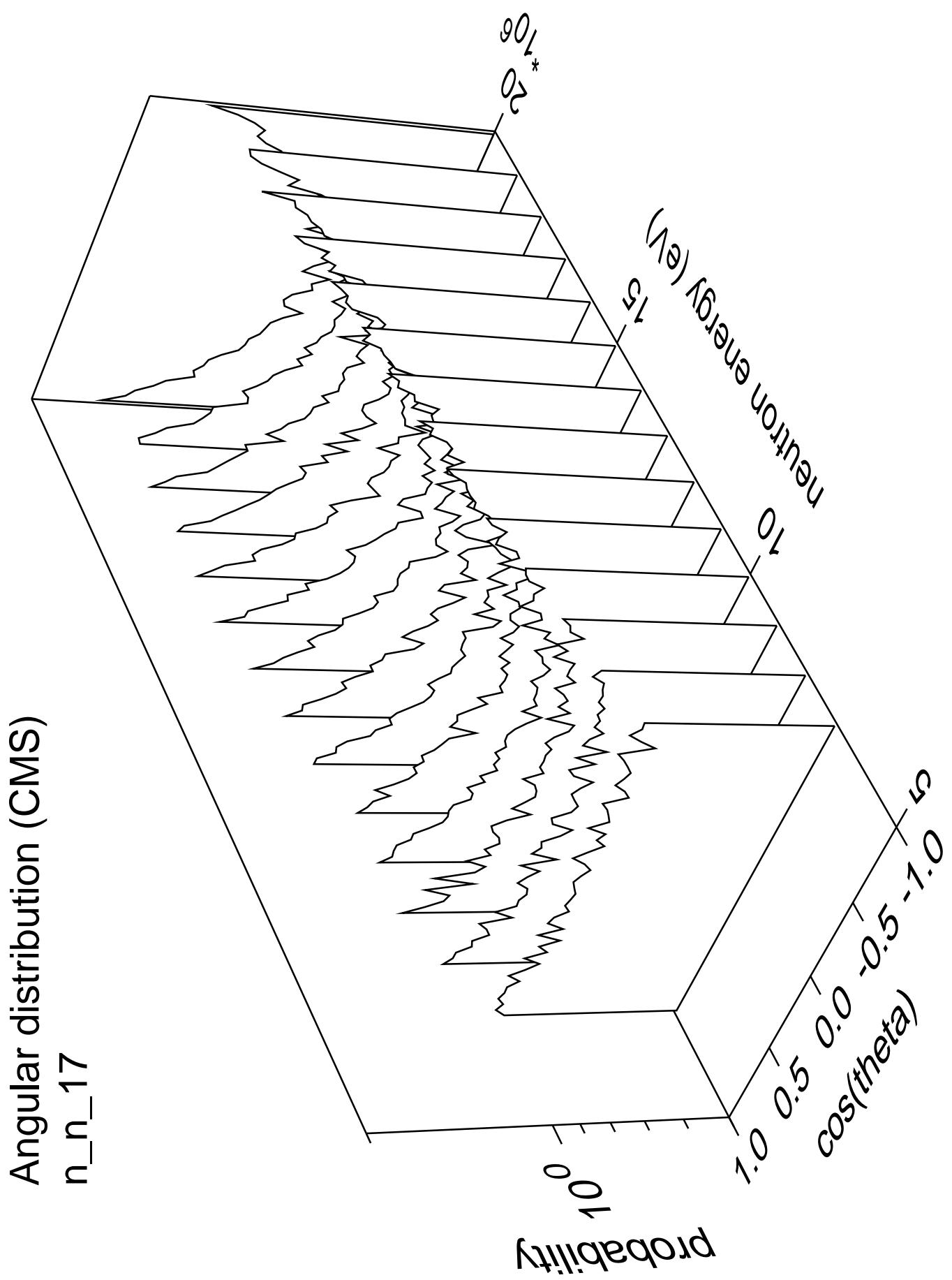


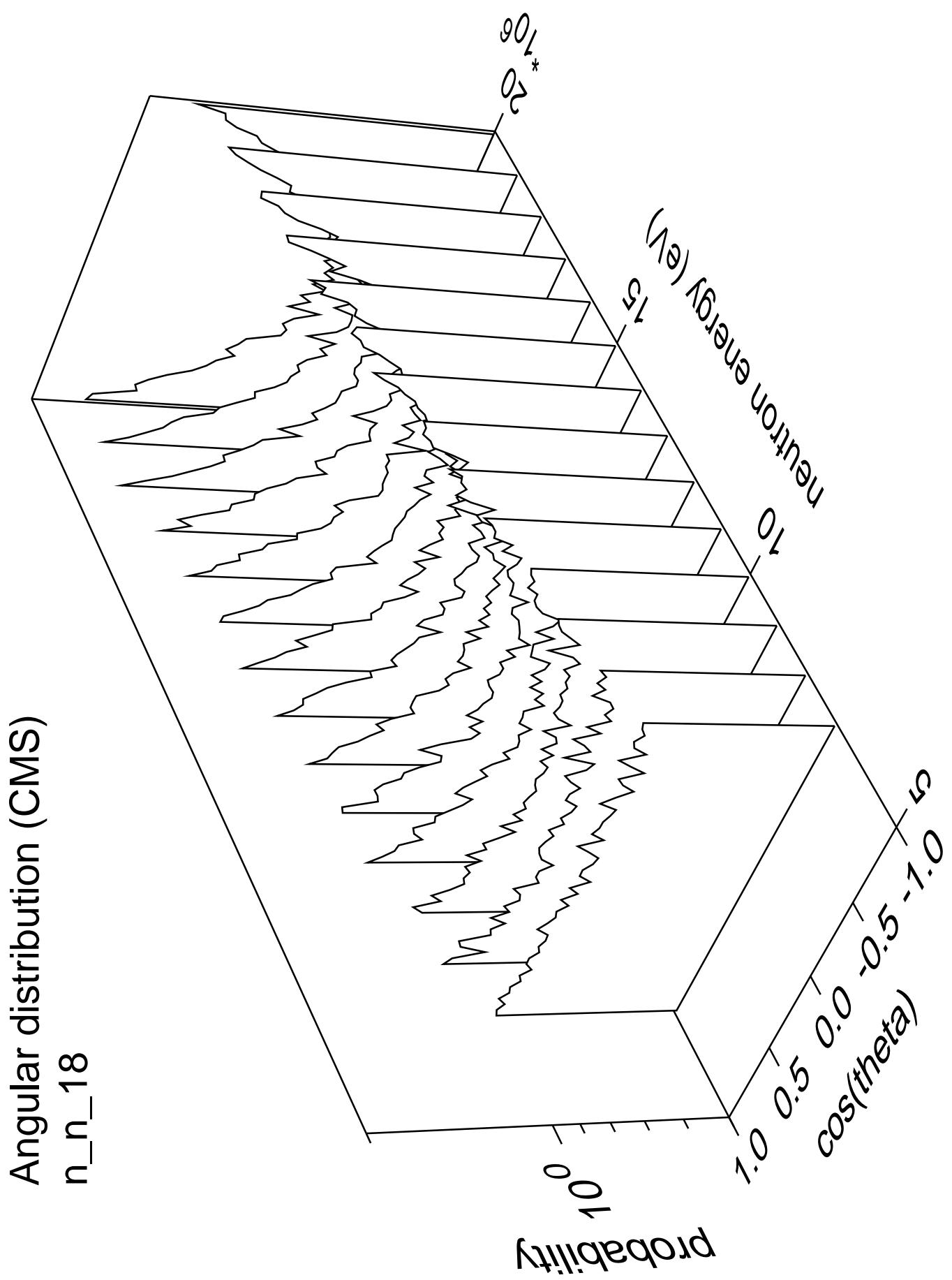


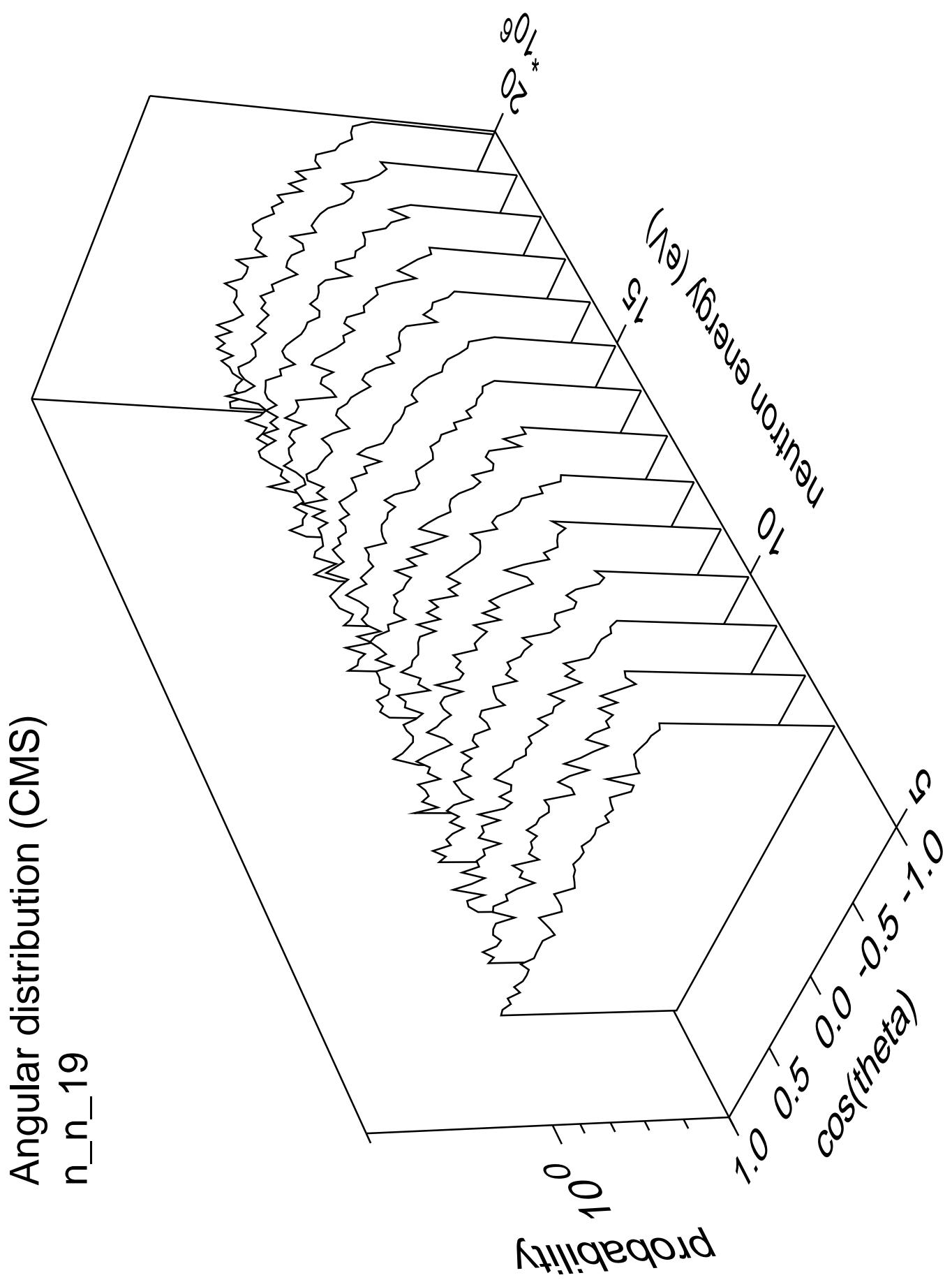


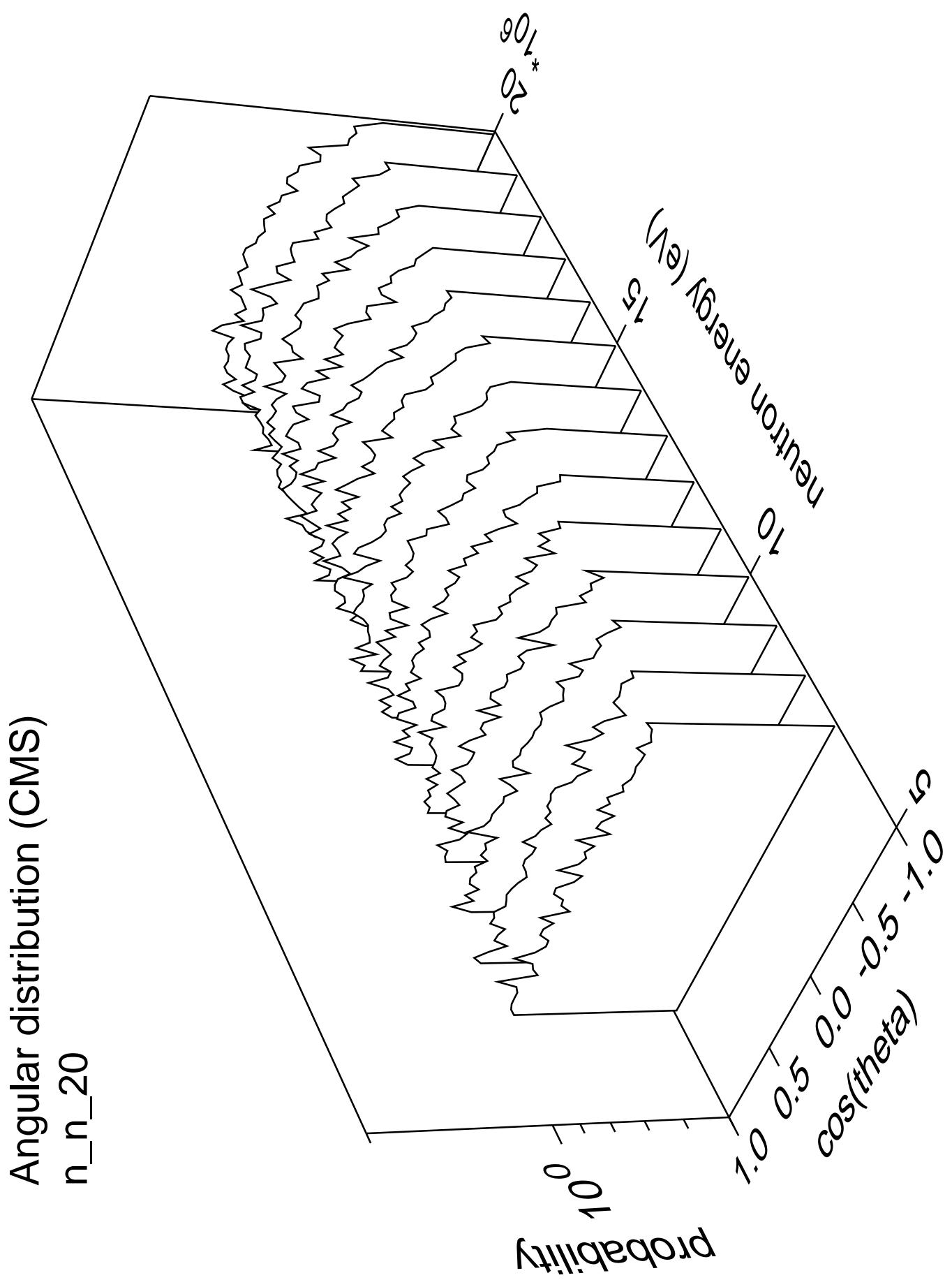


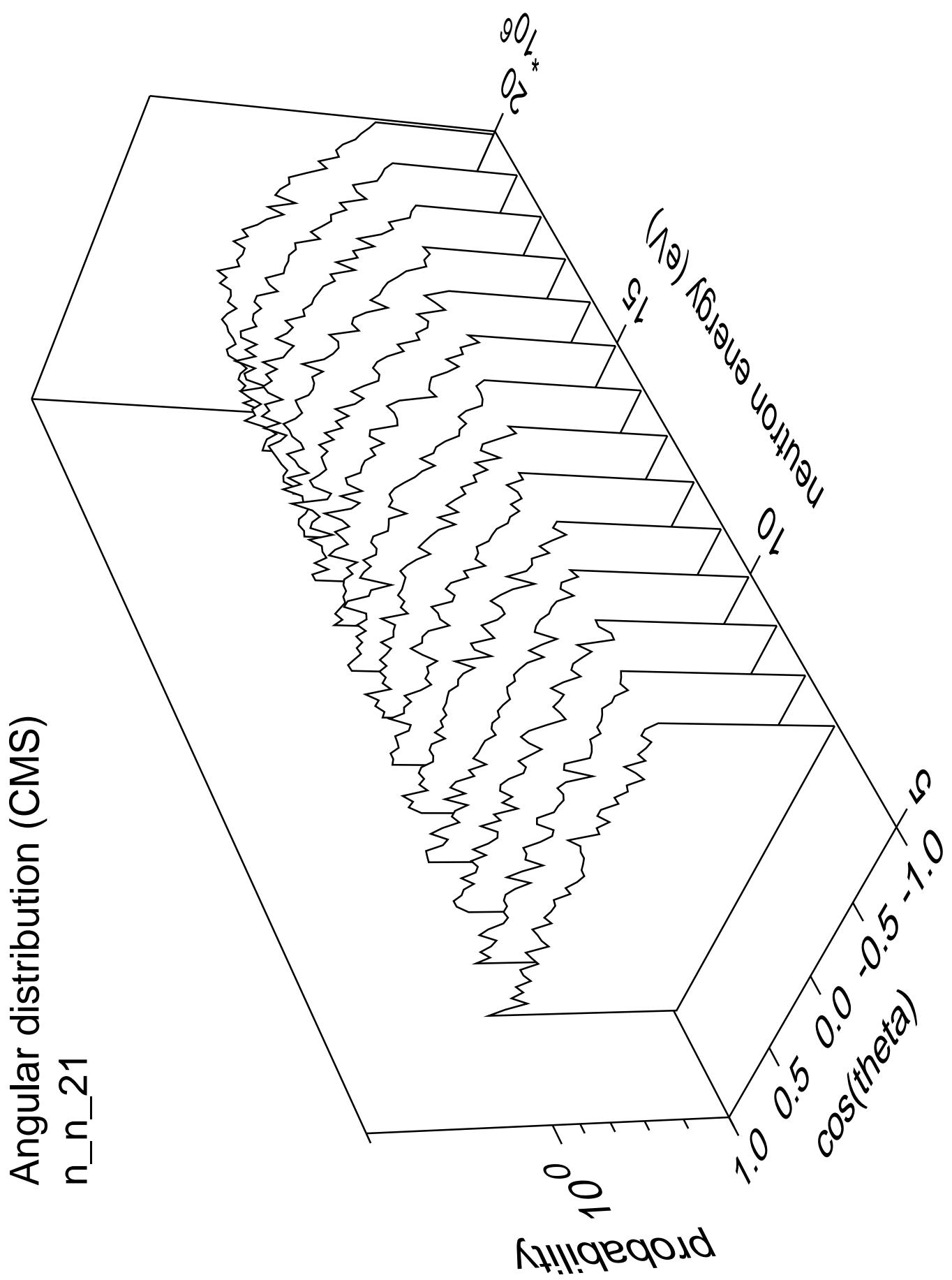


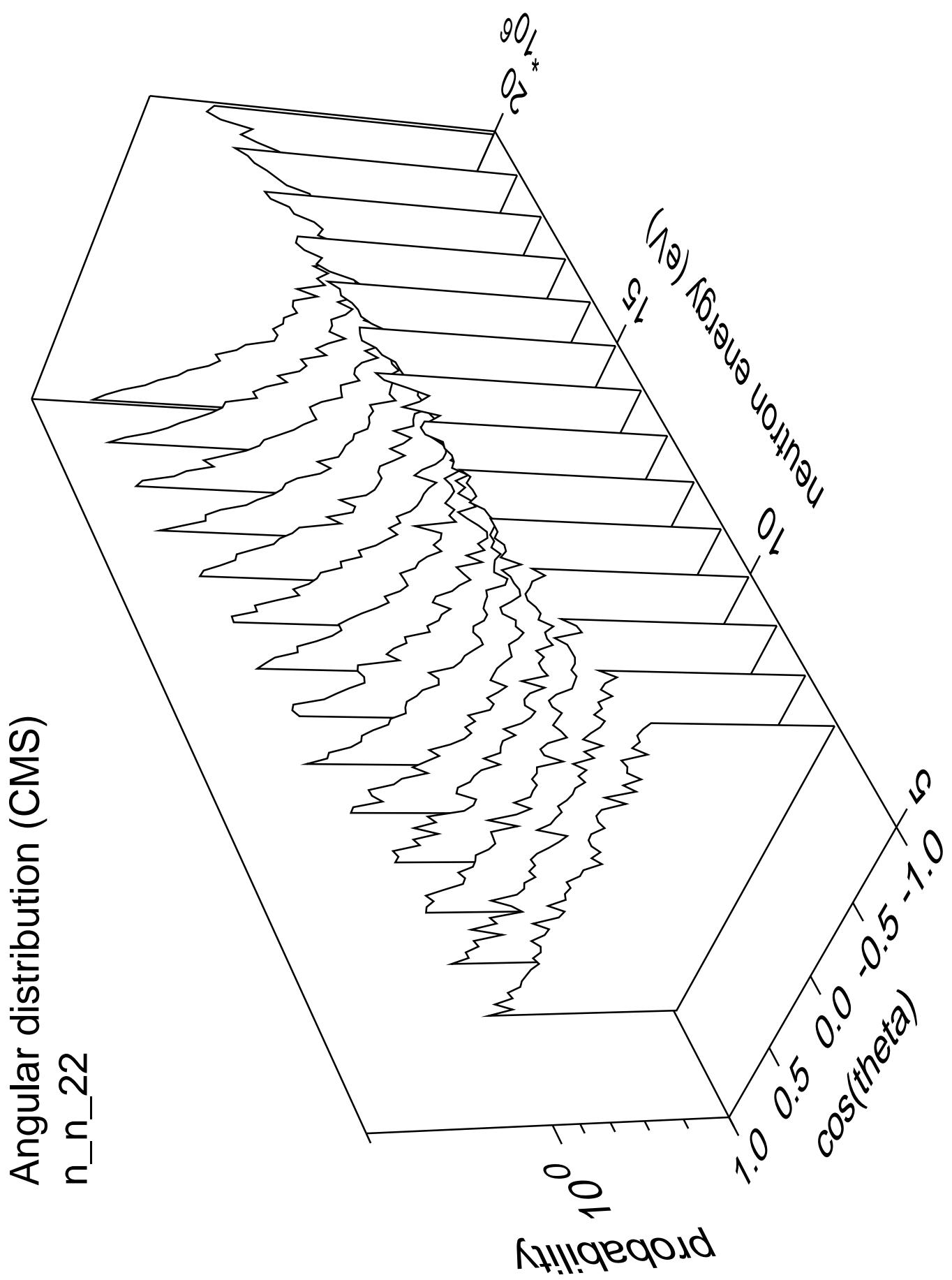


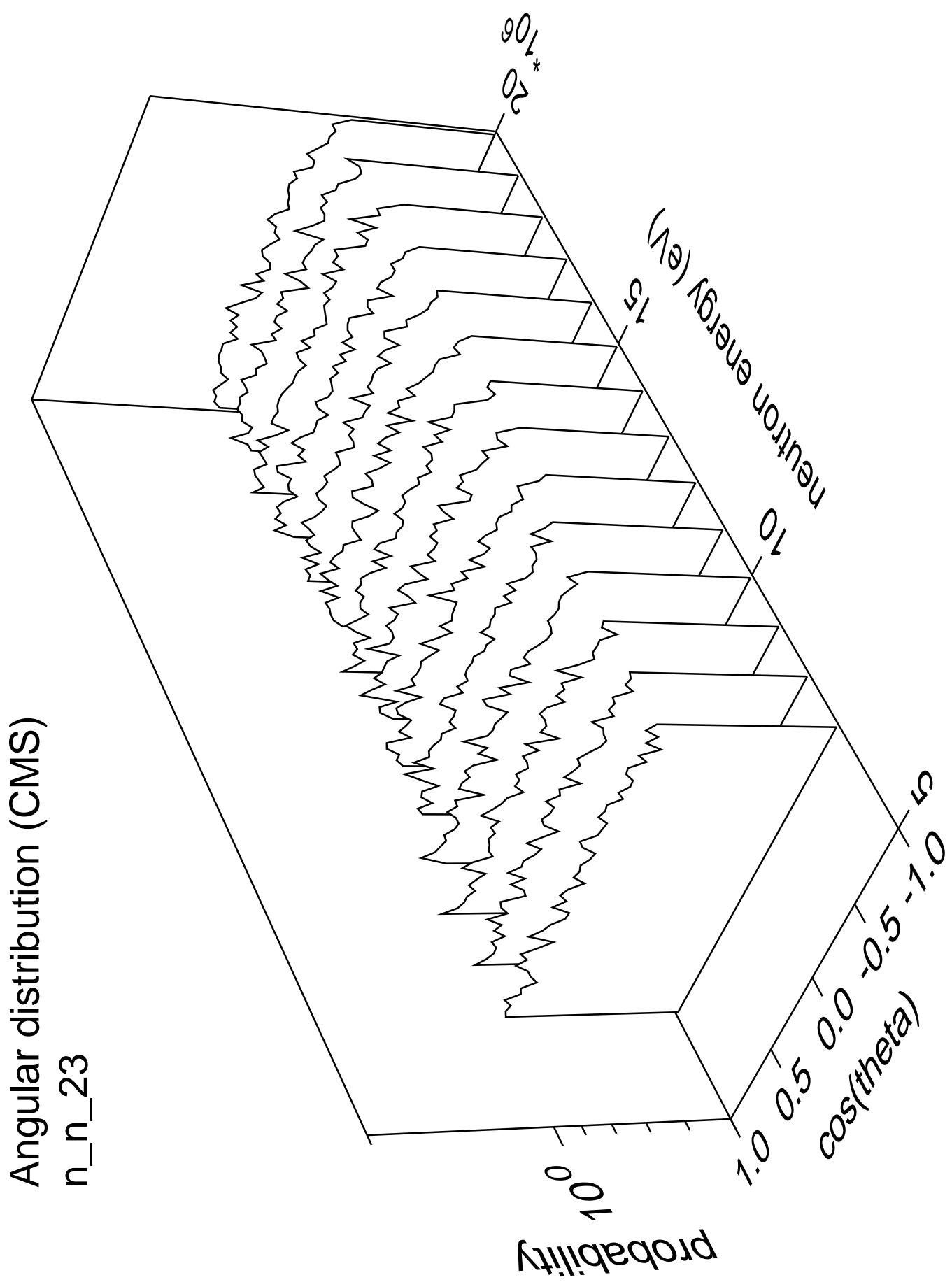


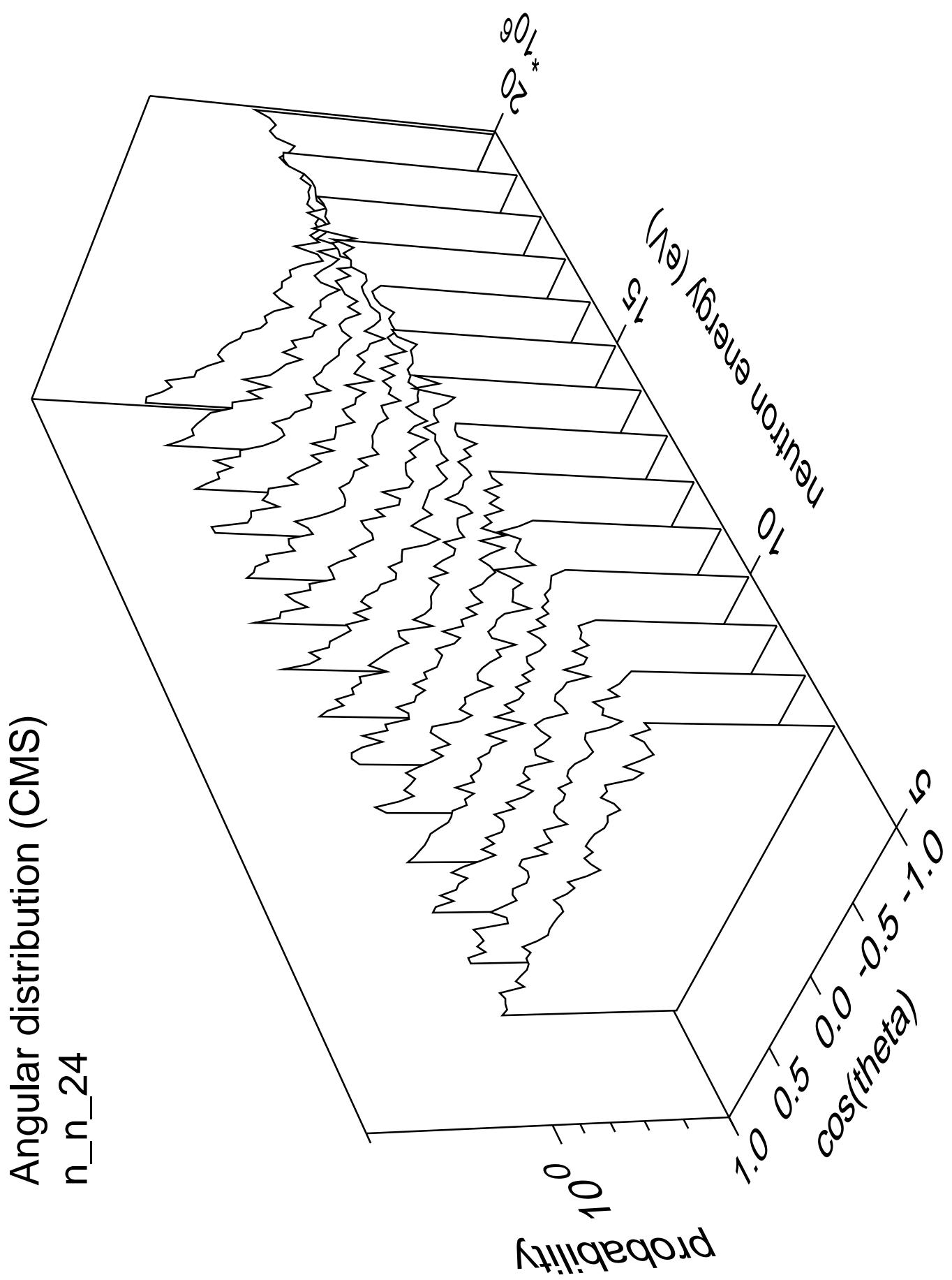


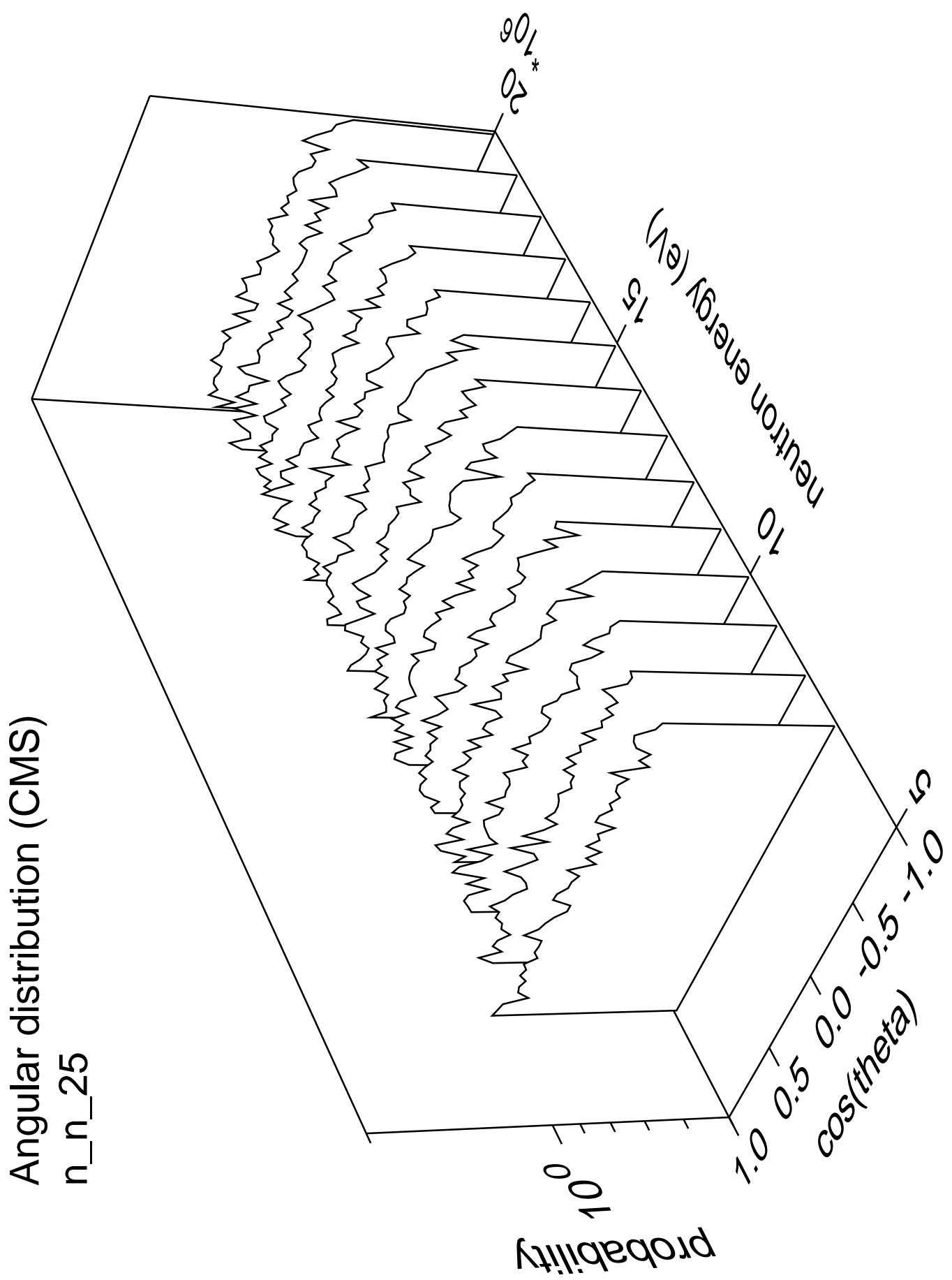


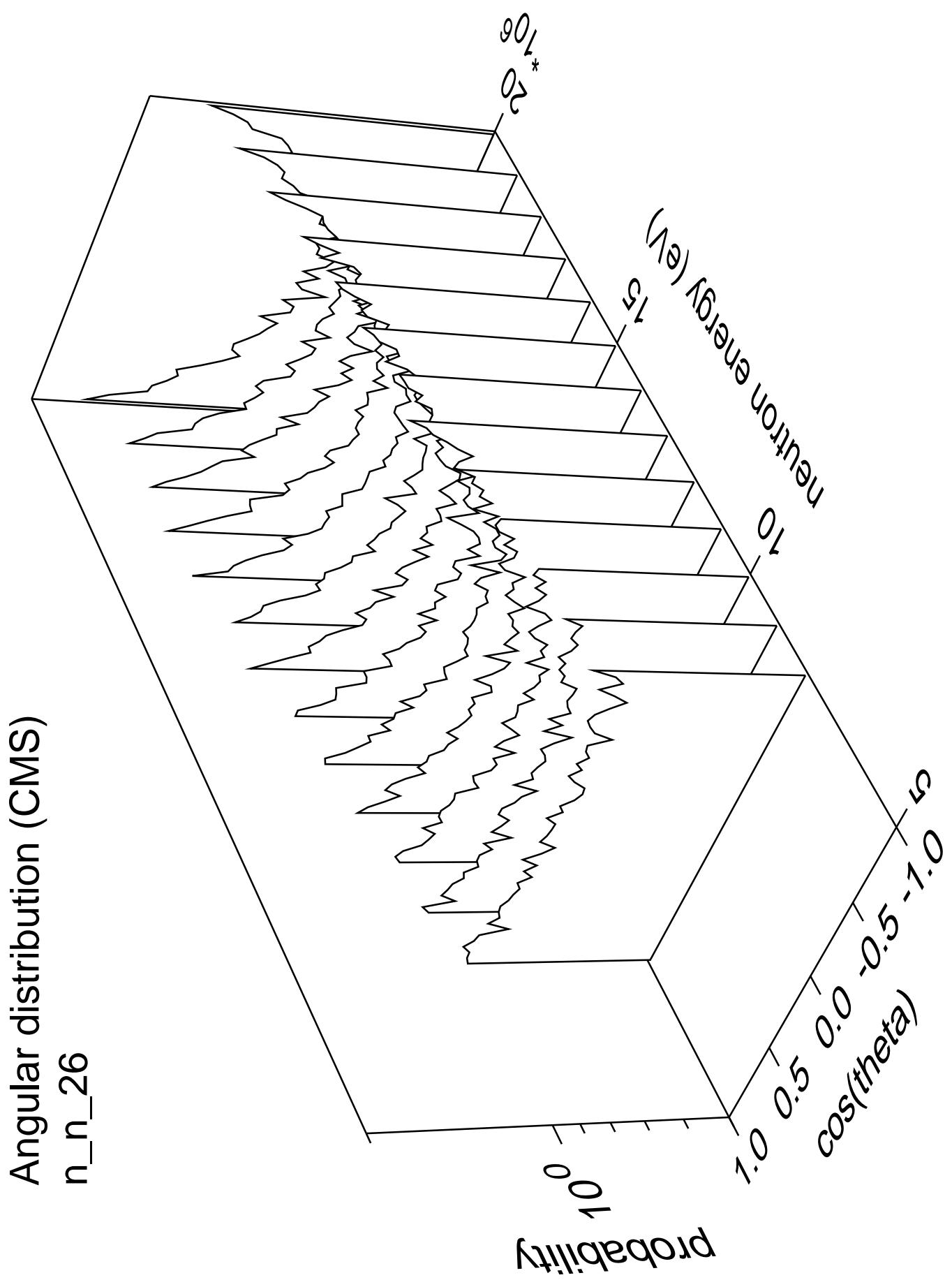


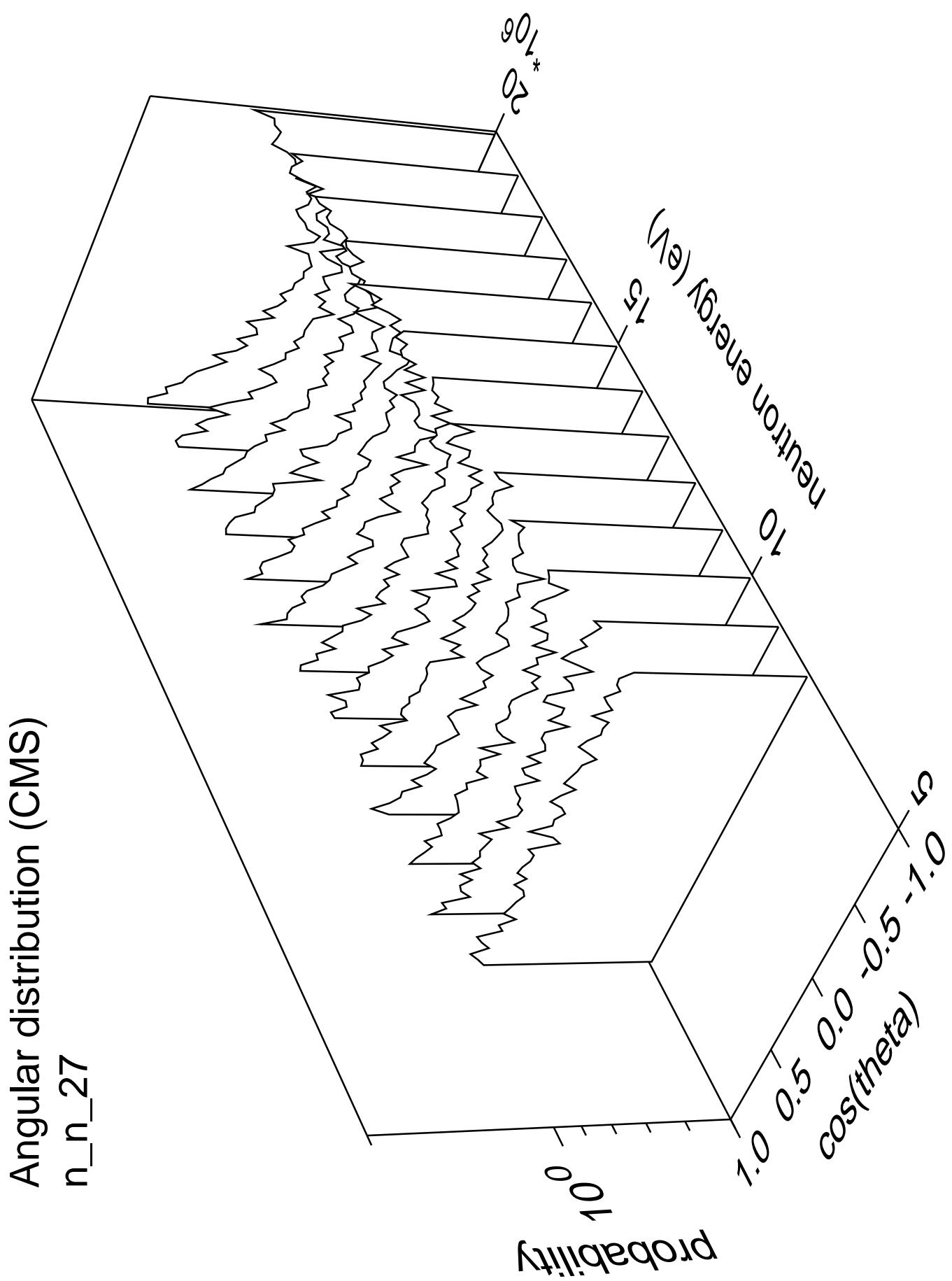


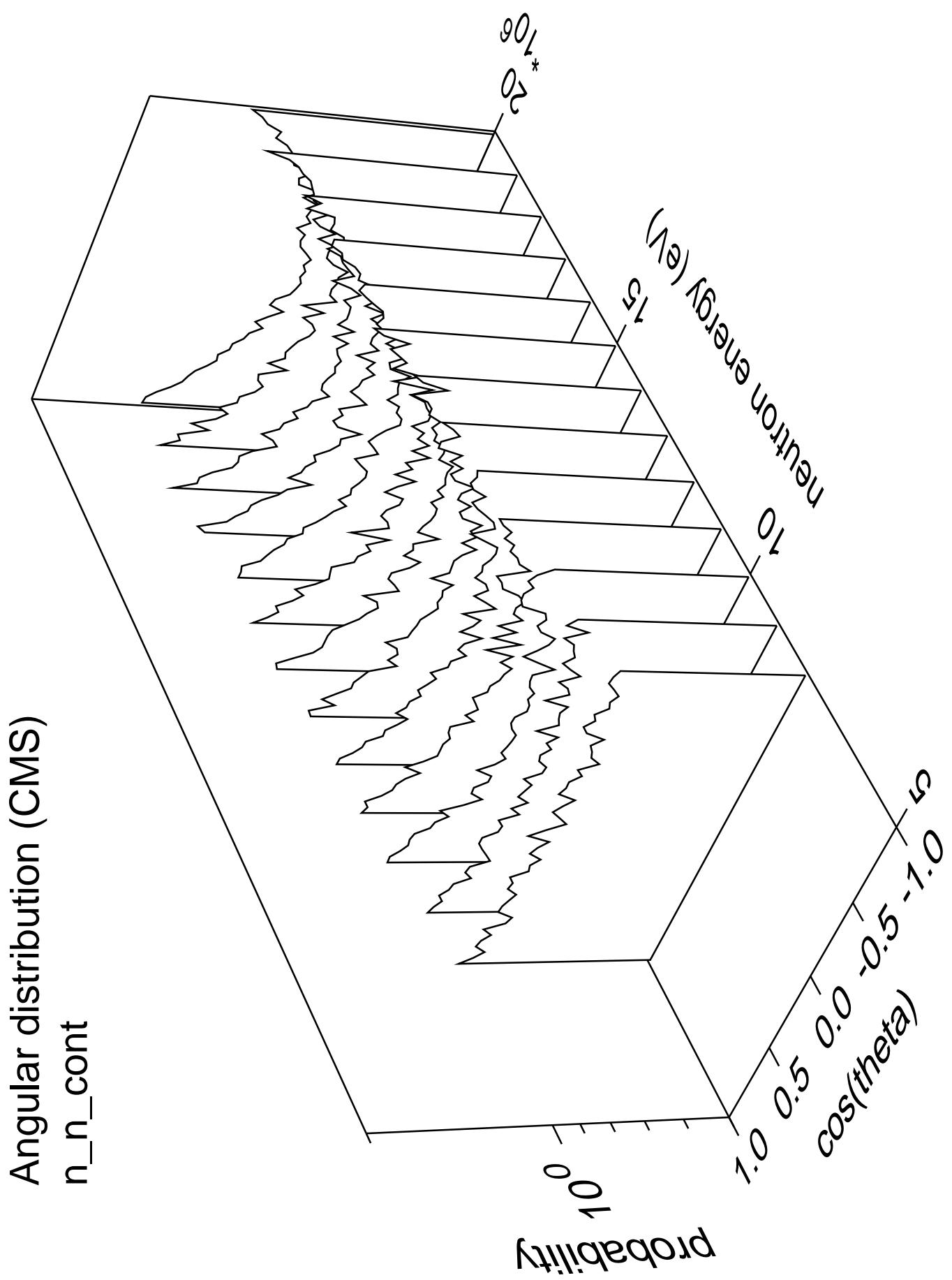


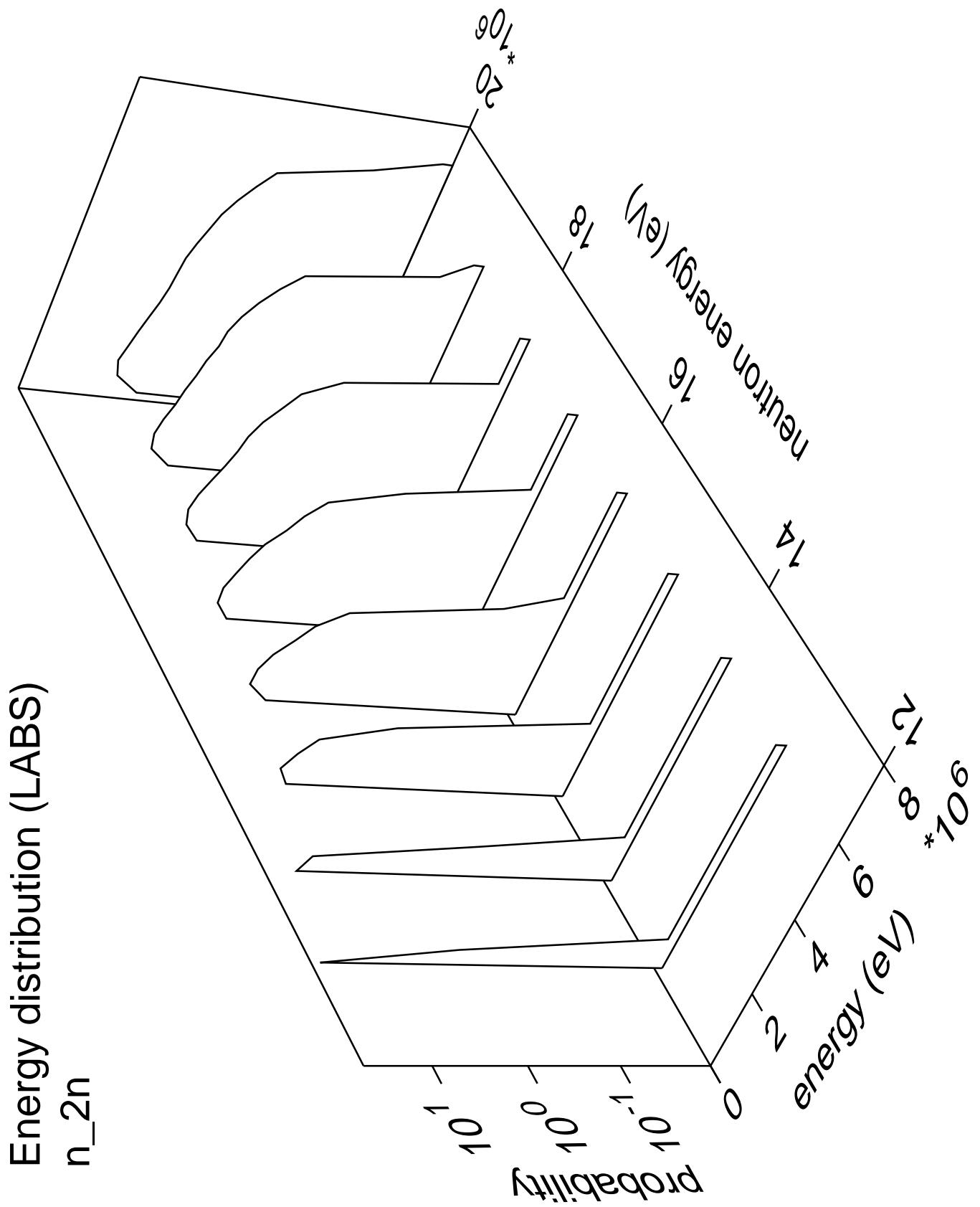


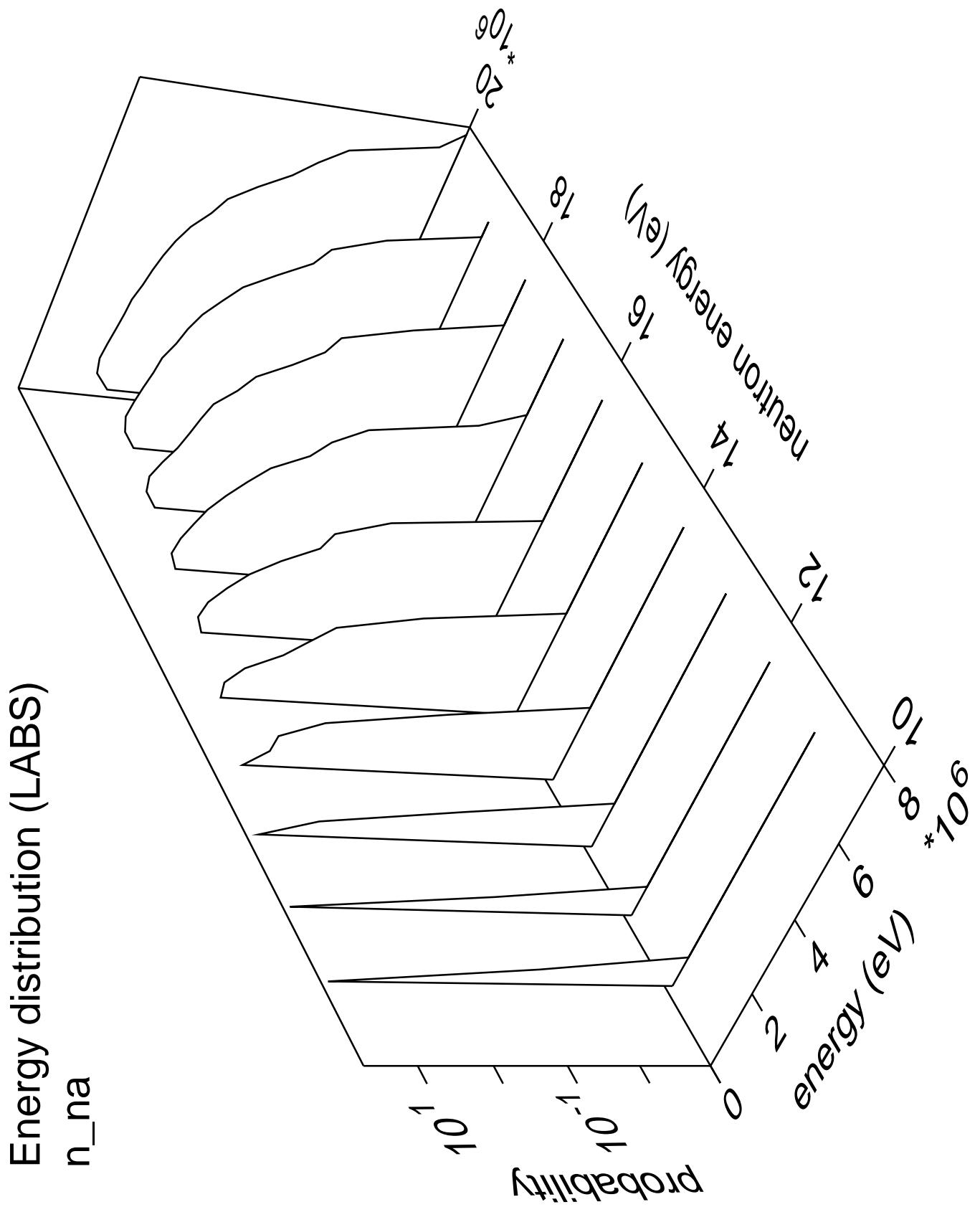


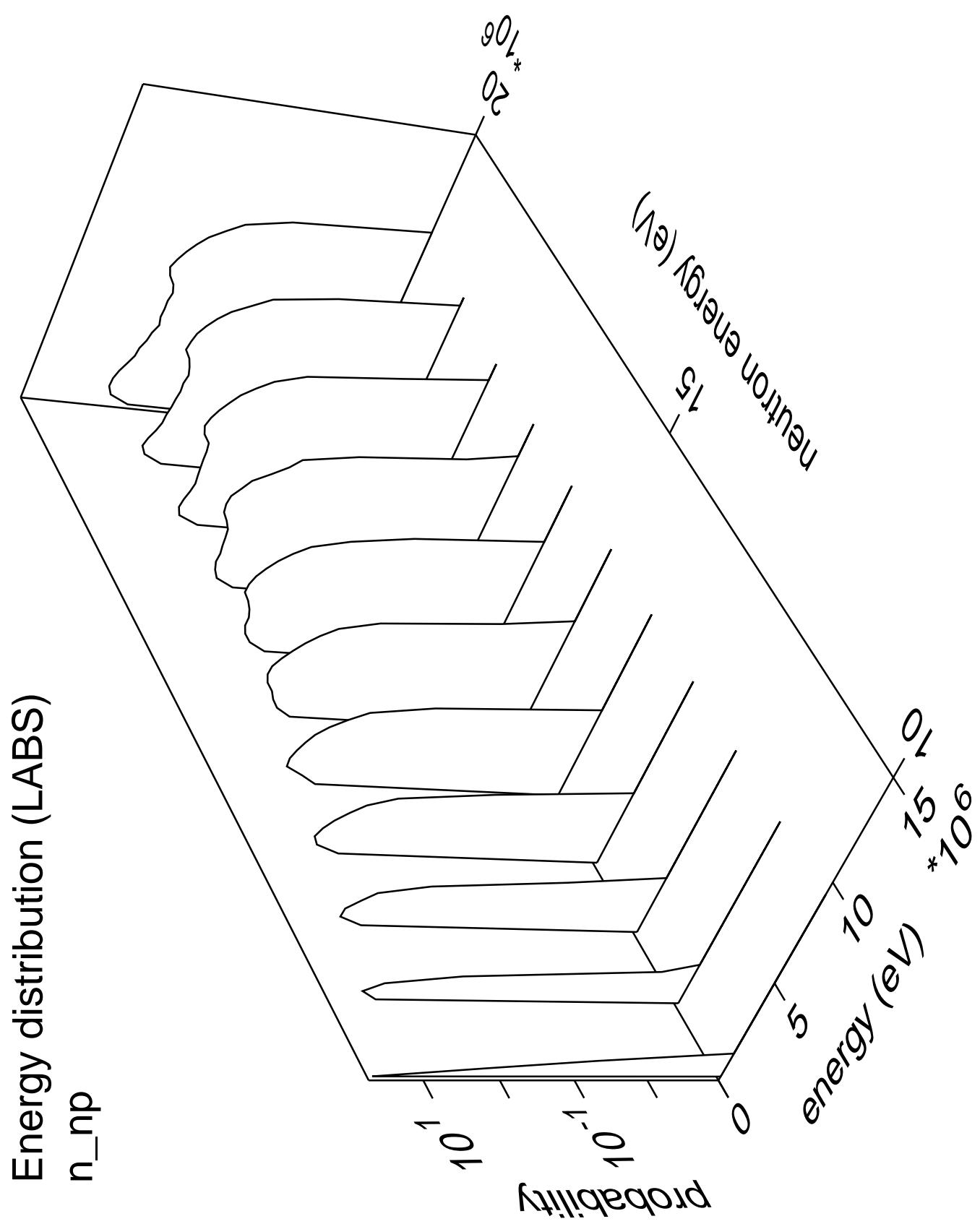


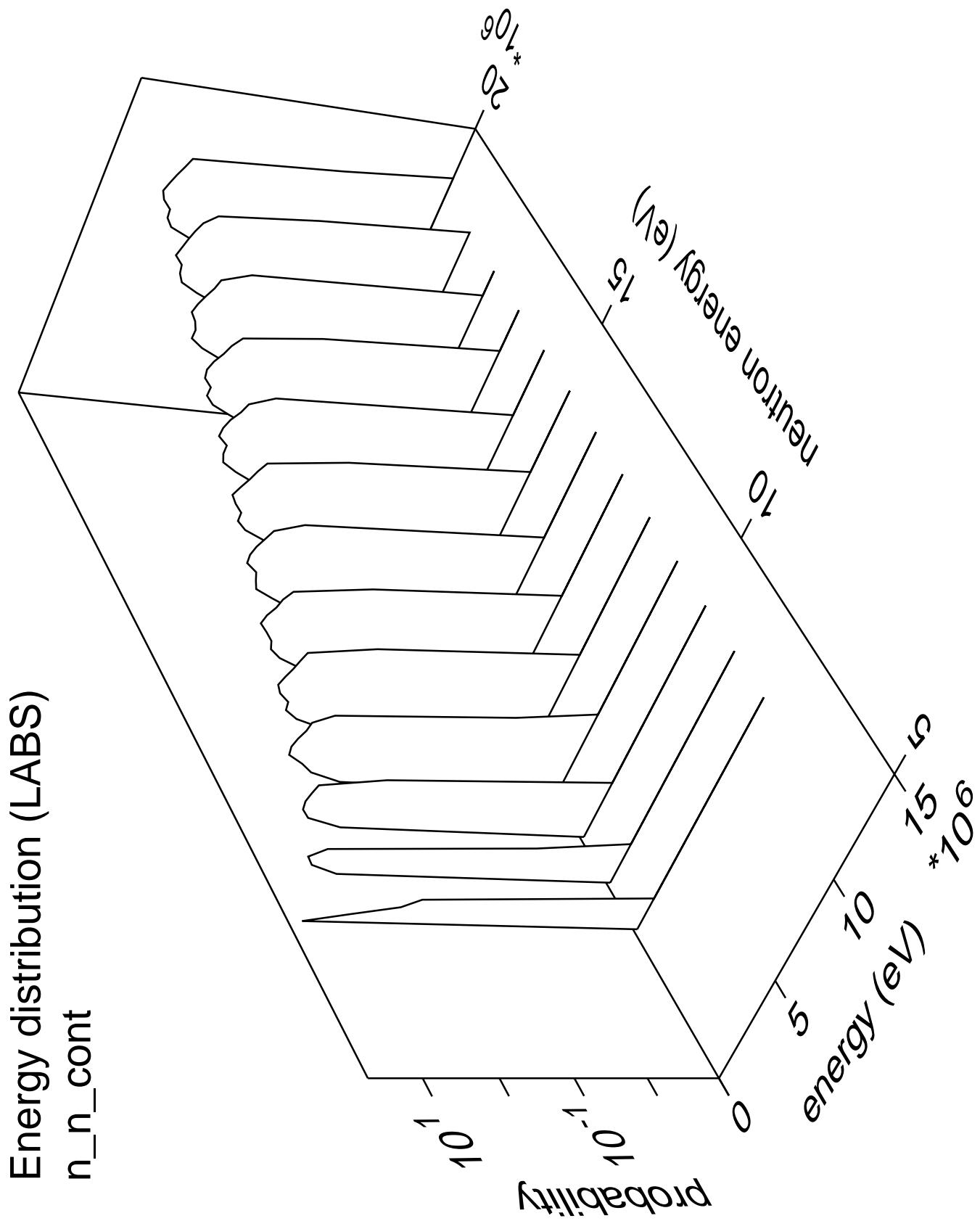




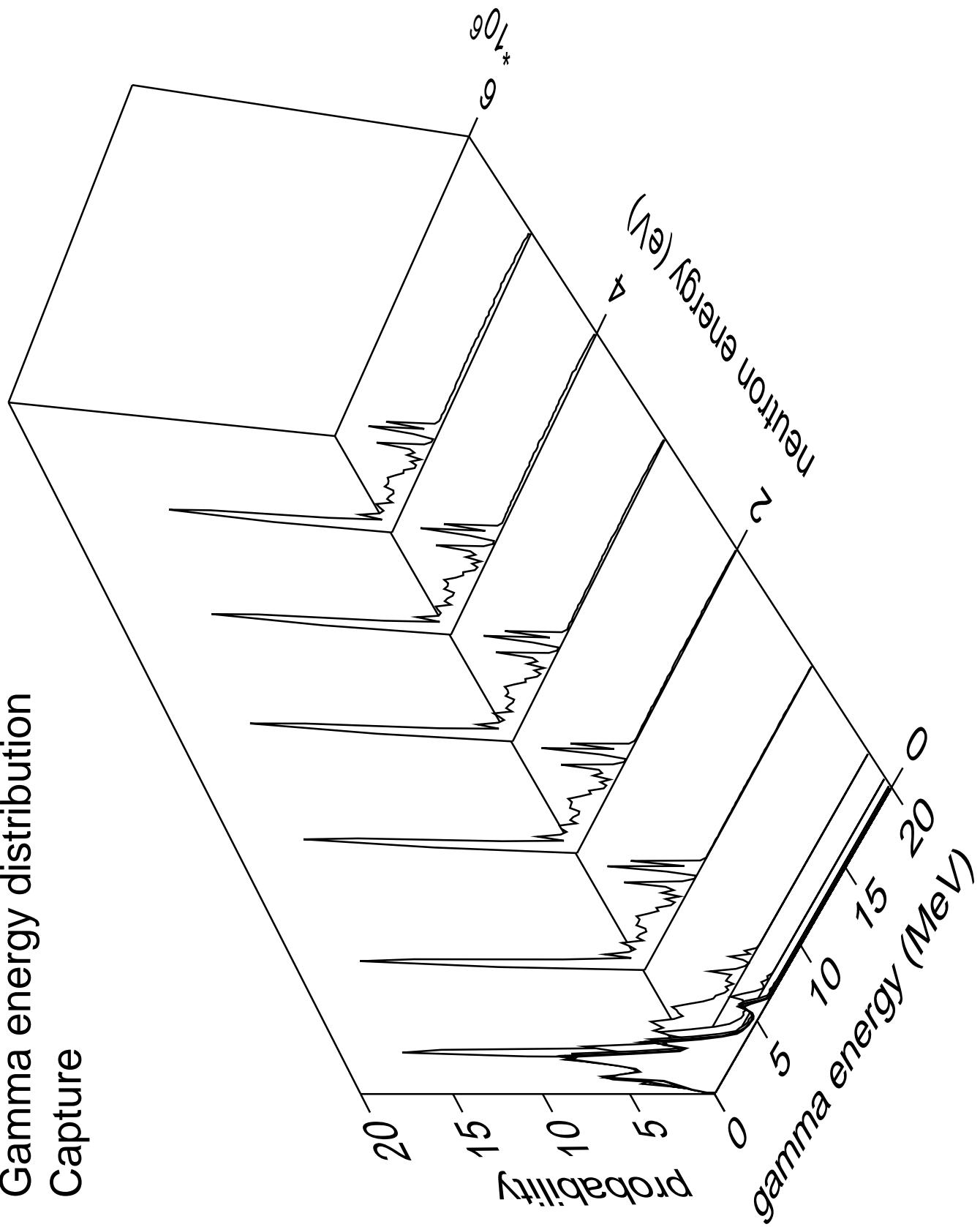




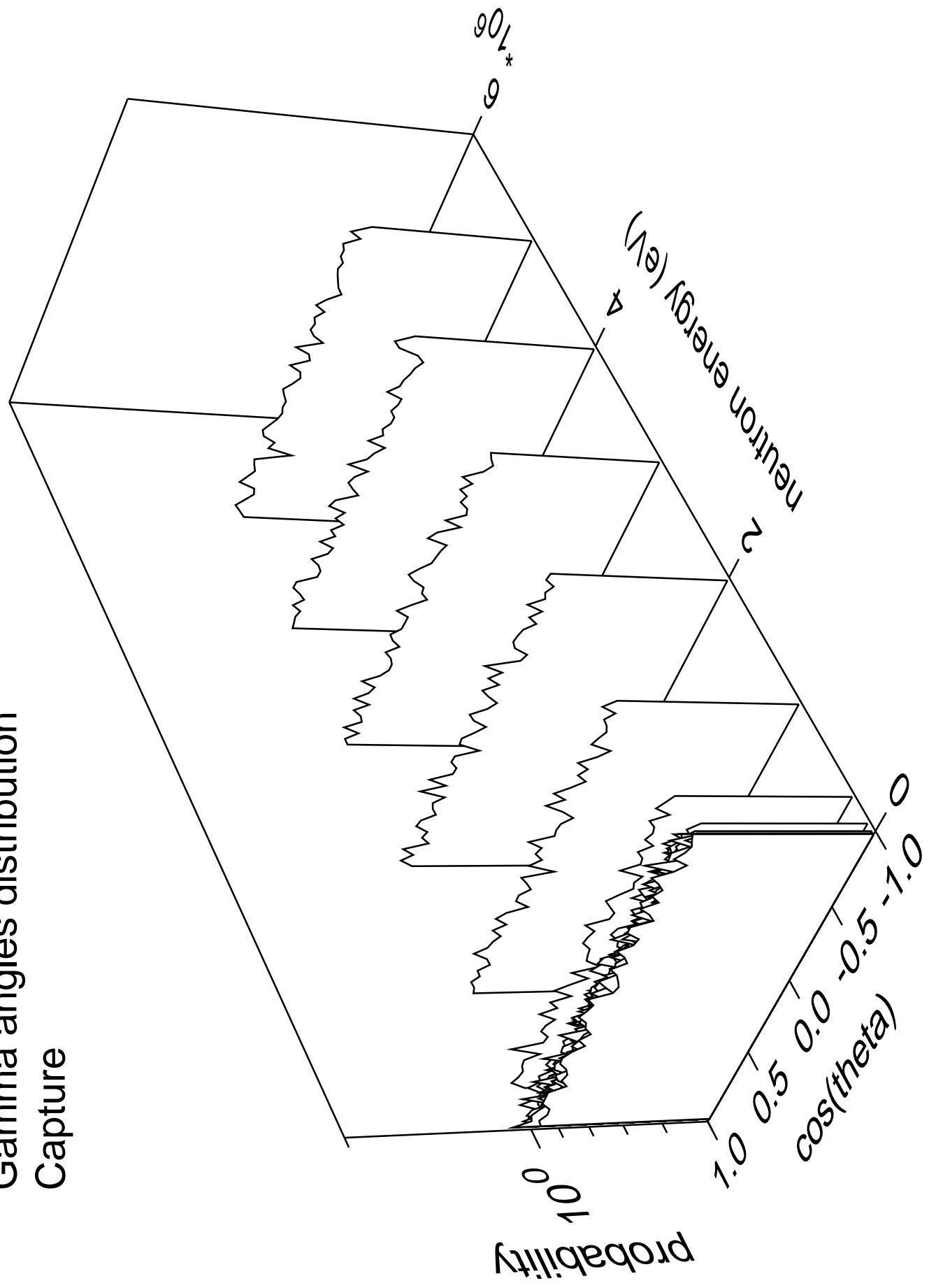




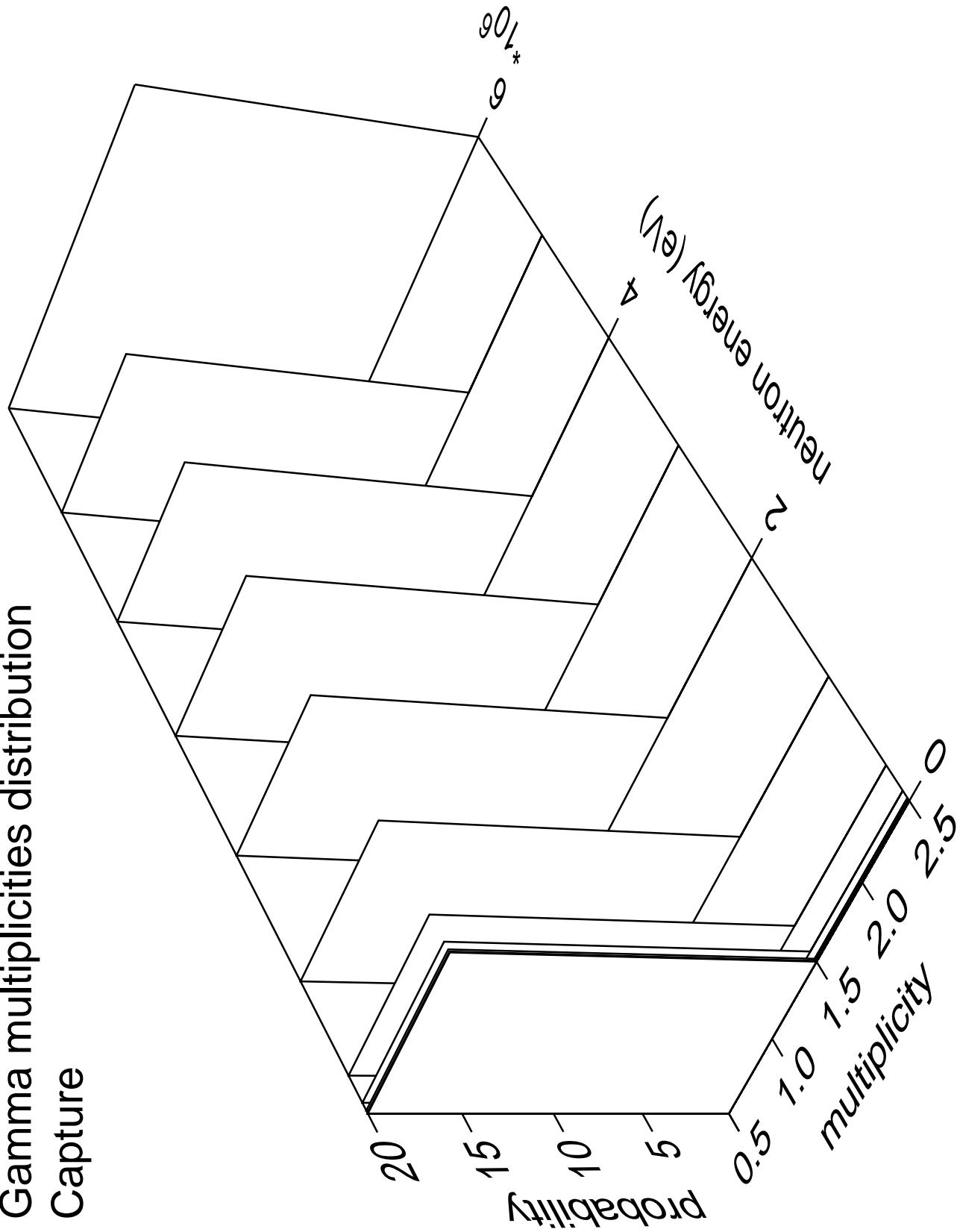
# Gamma energy distribution Capture

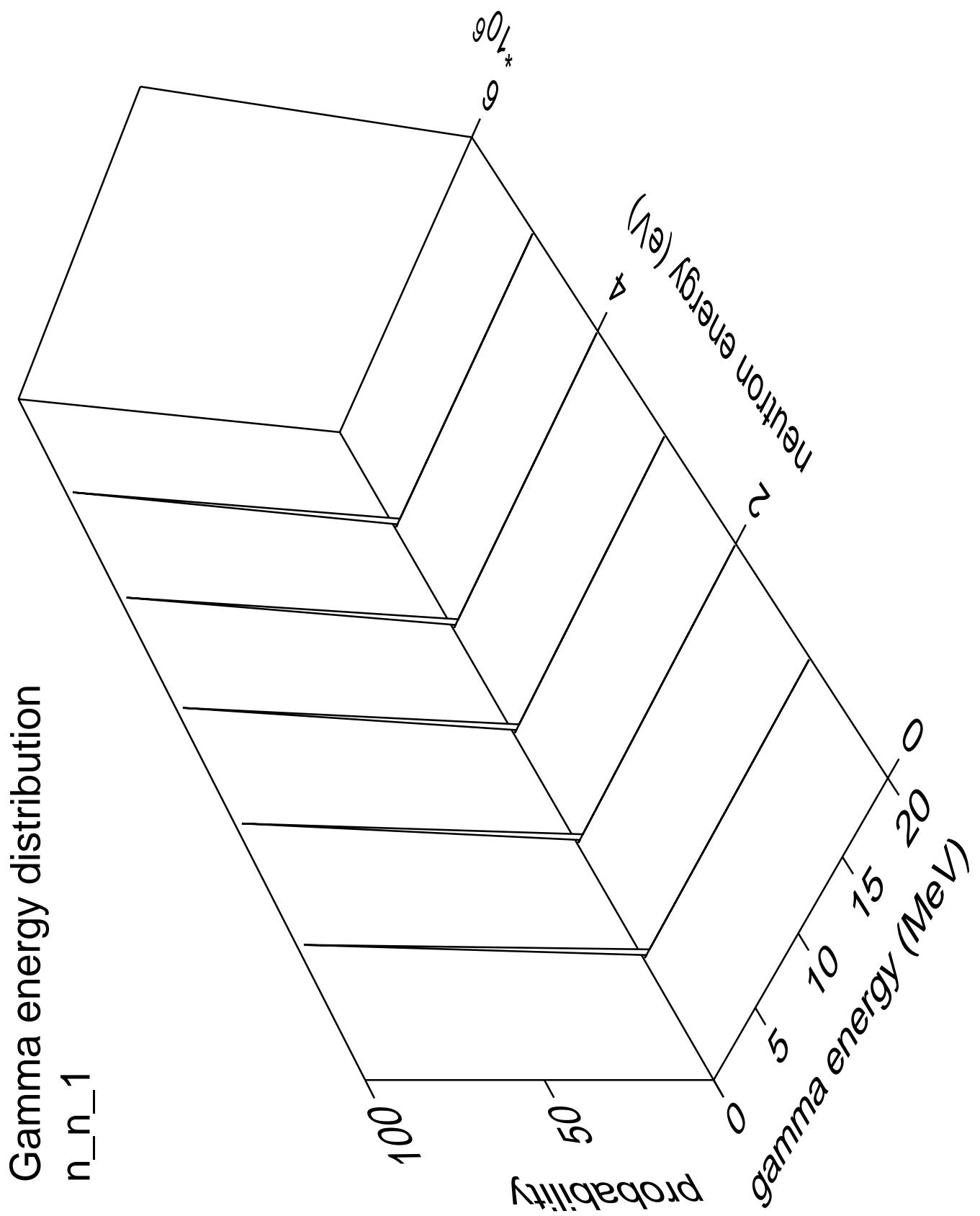


# Gamma angles distribution Capture



# Gamma multiplicities distribution Capture





Gamma angles distribution

$n_{n_1}$

Probability

$10^0$

$10^6$

6

4

2

0

neutron energy ( $\text{eV}$ )

$\cos(\theta)$

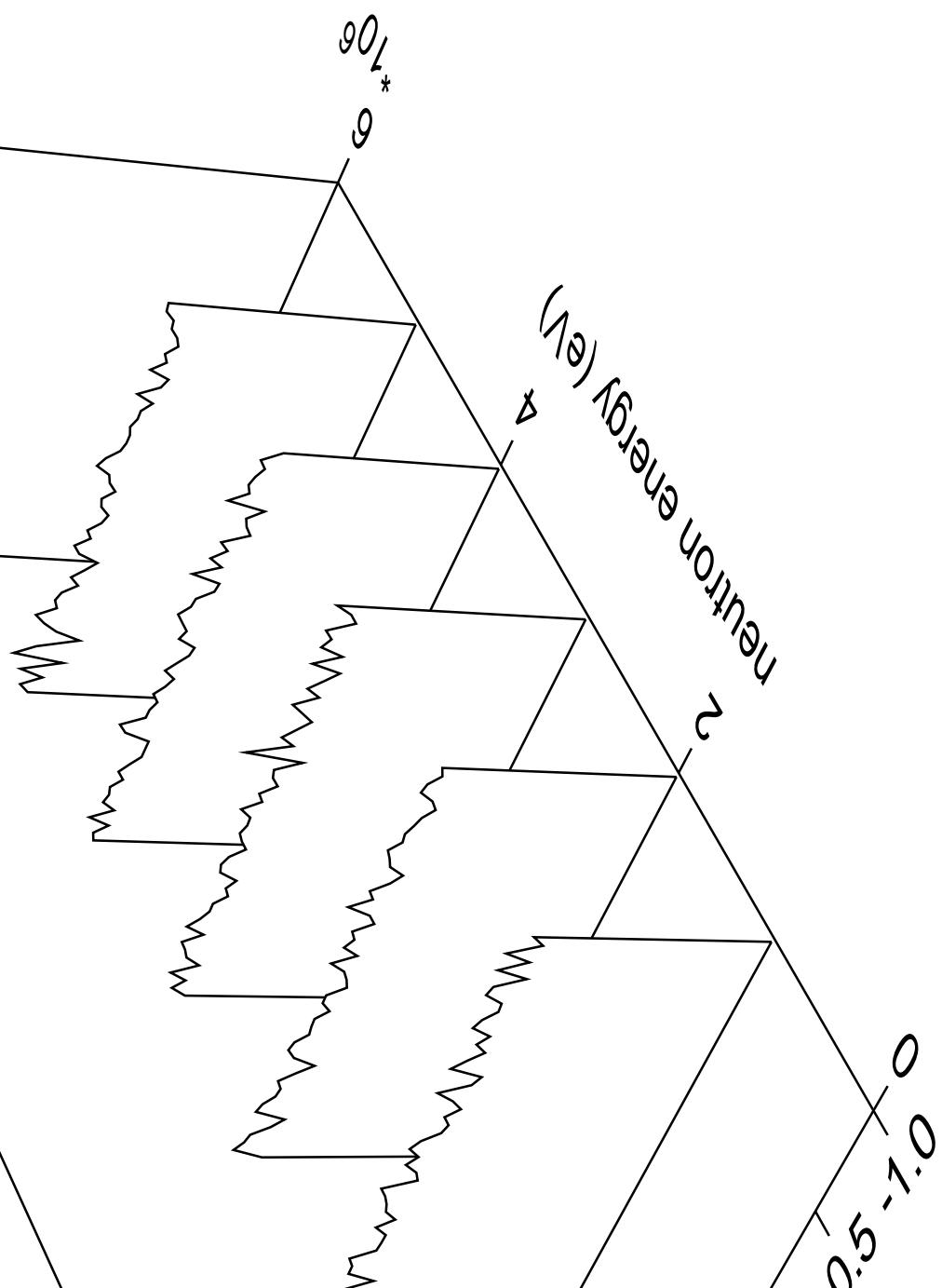
1.0

0.5

0.0

-0.5

-1.0



# Gamma multiplicities distribution

$n_n_1$

Probability

0.5 1.0 1.5 2.0 2.5

multiplicity

0 0.5 1.0 1.5 2.0 2.5

Neutron energy (eV)

$\times 10^6$

0

6

12

18

24

30

36

42

48

54

60

66

72

78

84

90

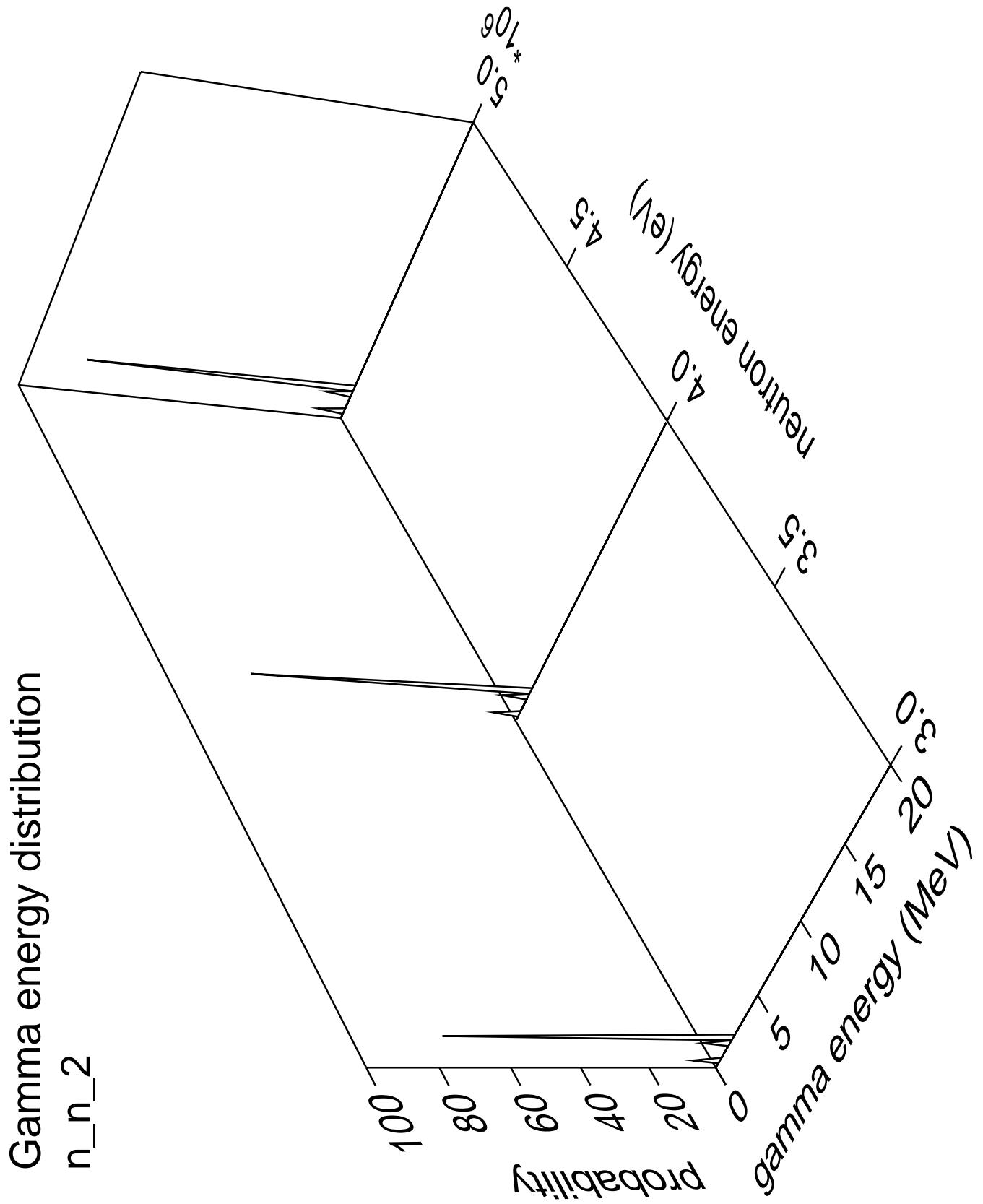
96

102

108

114

120



Gamma angles distribution

$n_{n\_2}$

Probability

$10^0$

$10^0$

$10^1$

$10^2$

$10^3$

$10^4$

$10^5$

$10^6$

$10^7$

$10^8$

$10^9$

$10^{10}$

$10^{11}$

$10^{12}$

$10^{13}$

$10^{14}$

$10^{15}$

$10^{16}$

$10^{17}$

$10^{18}$

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$10^{245}$

$10^{246}$

$10^{247}$

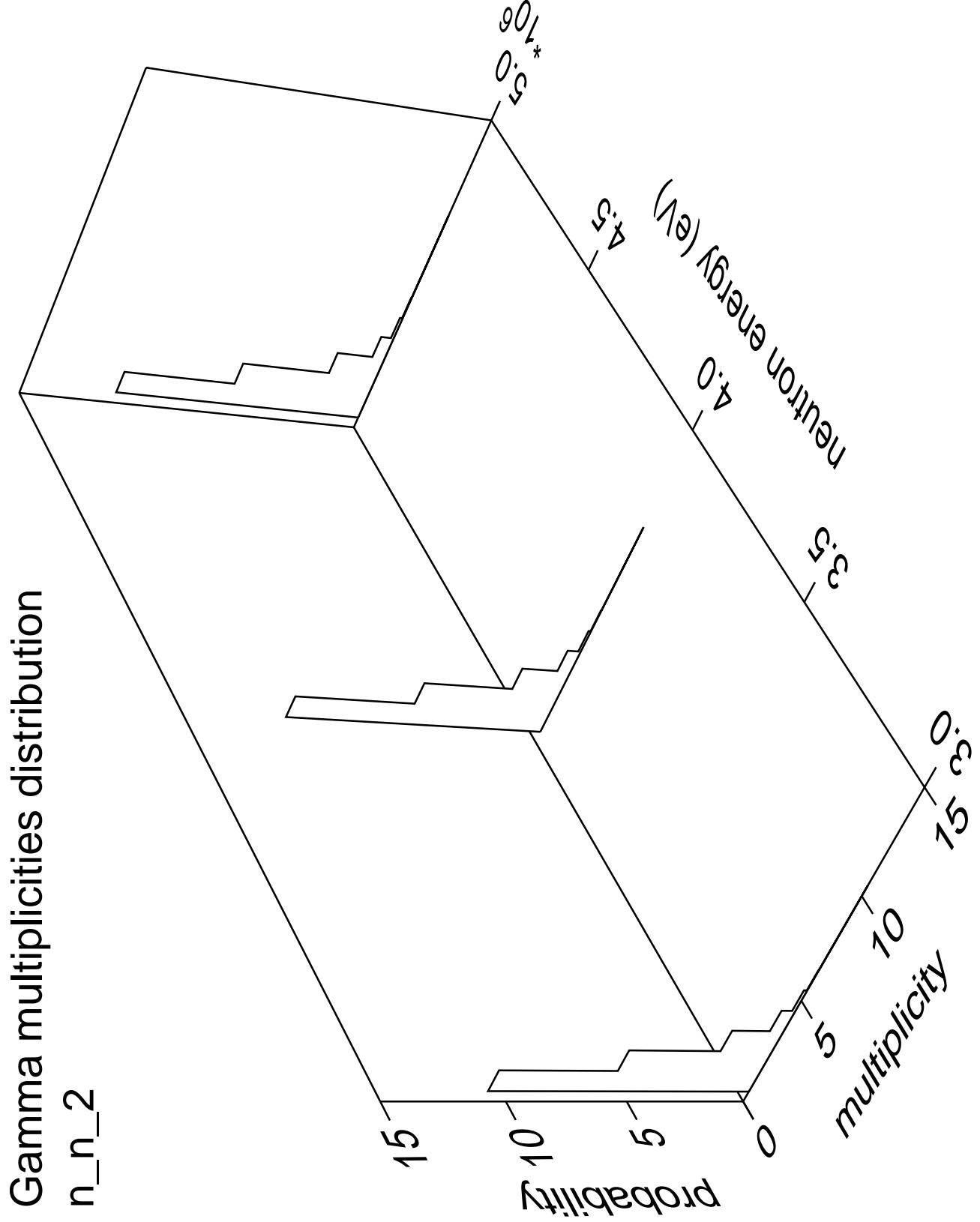
$10^{248}$

$10^{249}$

$10^{250}$

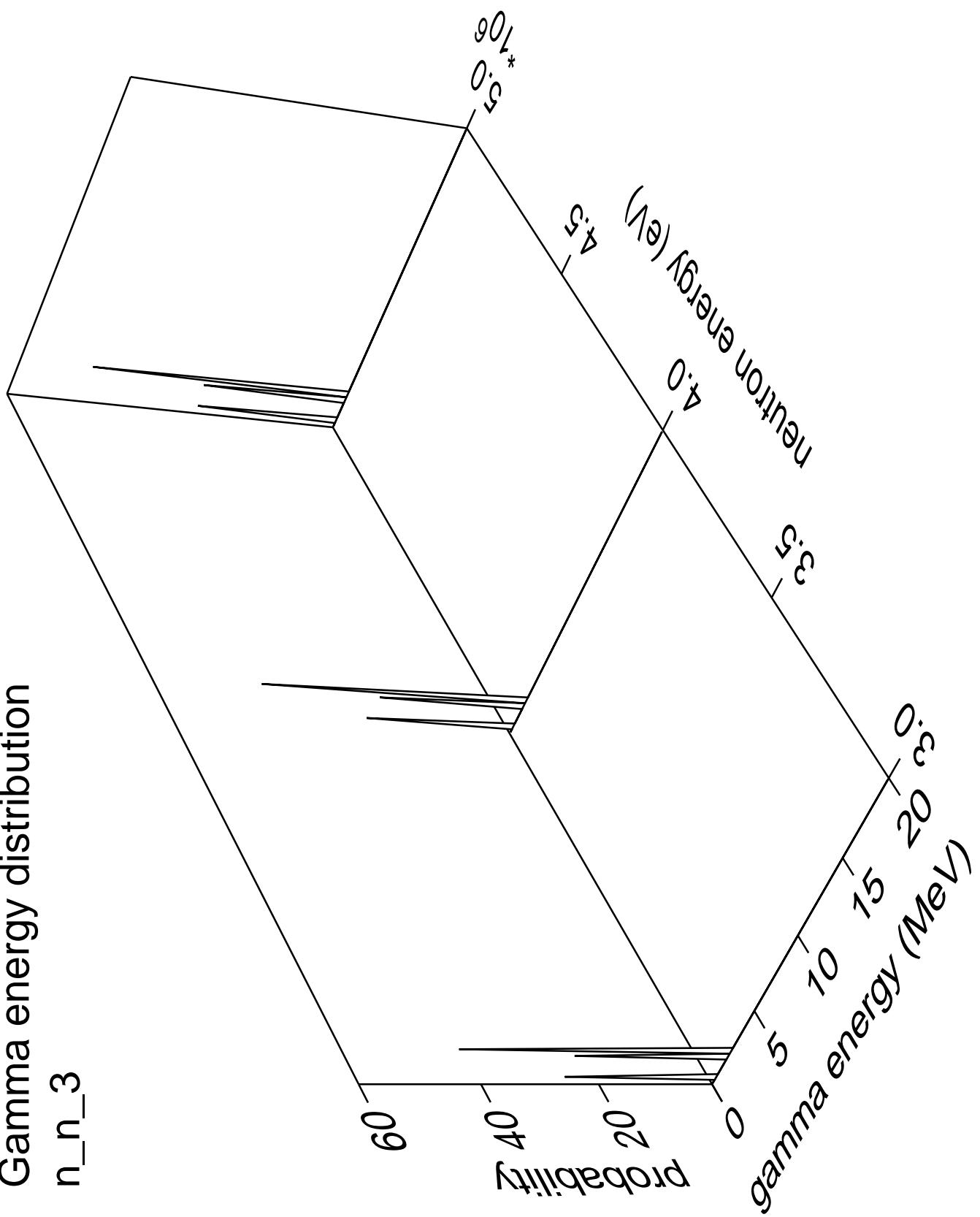
$10^{251}$

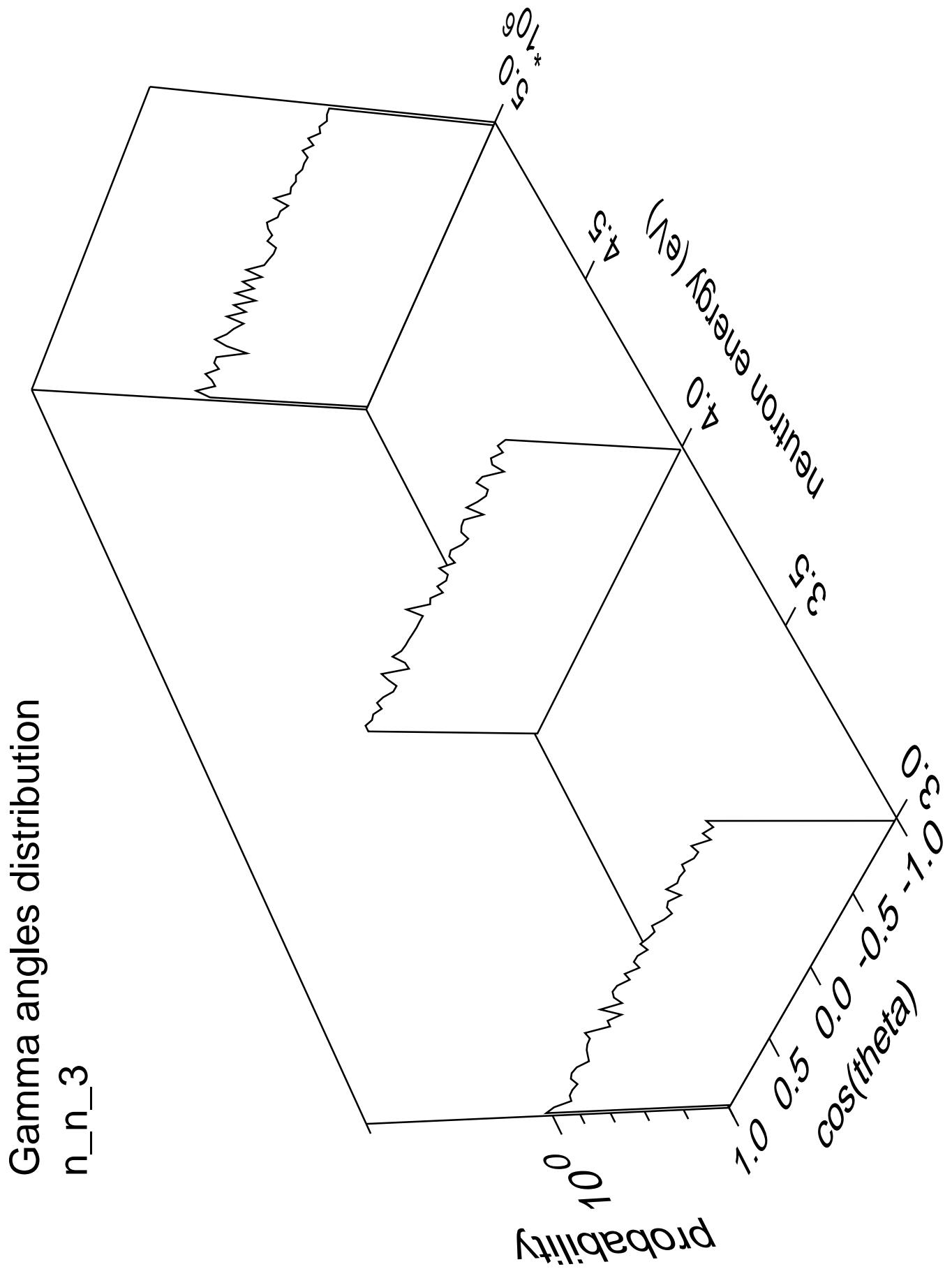
$10^{252}$



### Gamma energy distribution

n\_n\_3

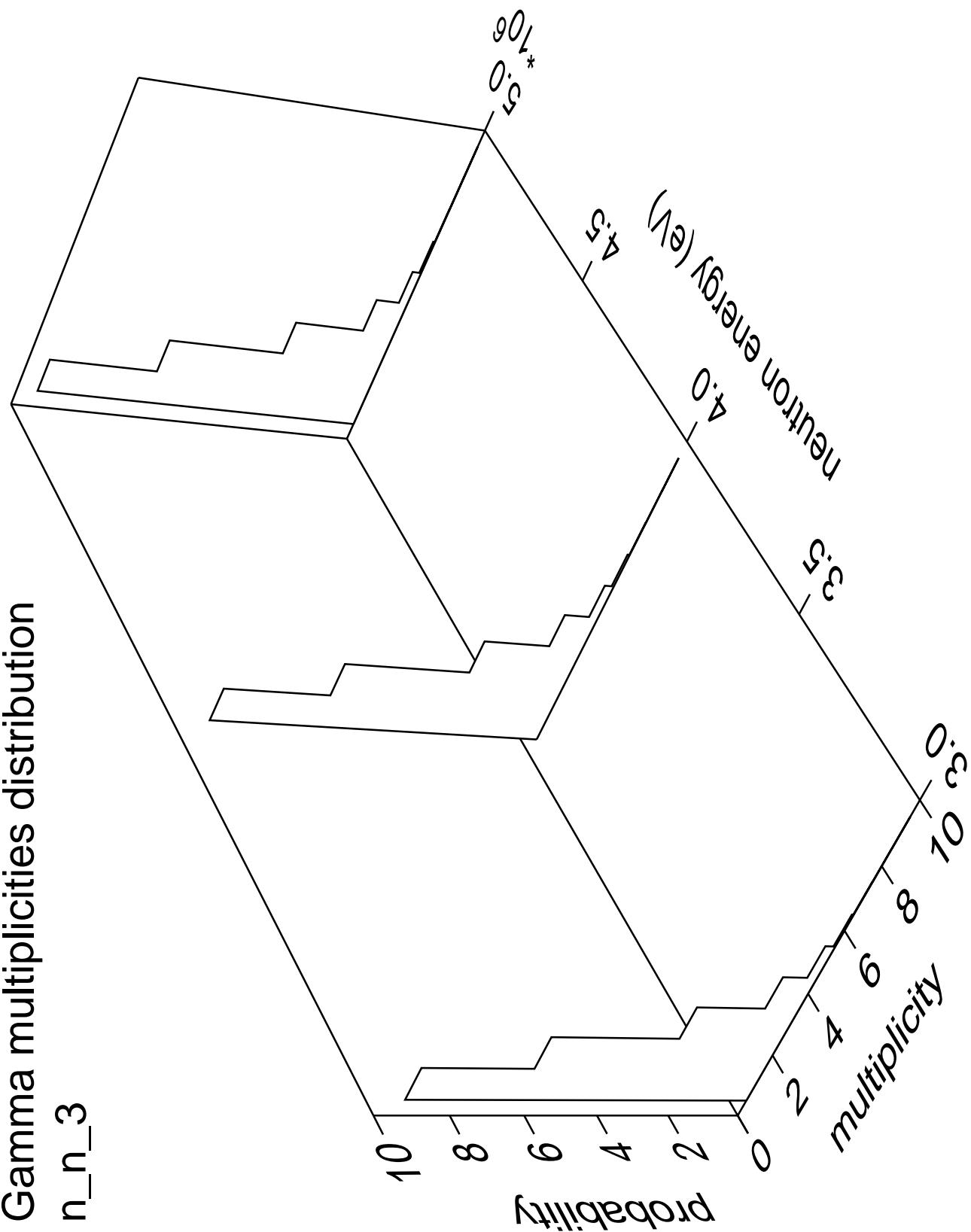




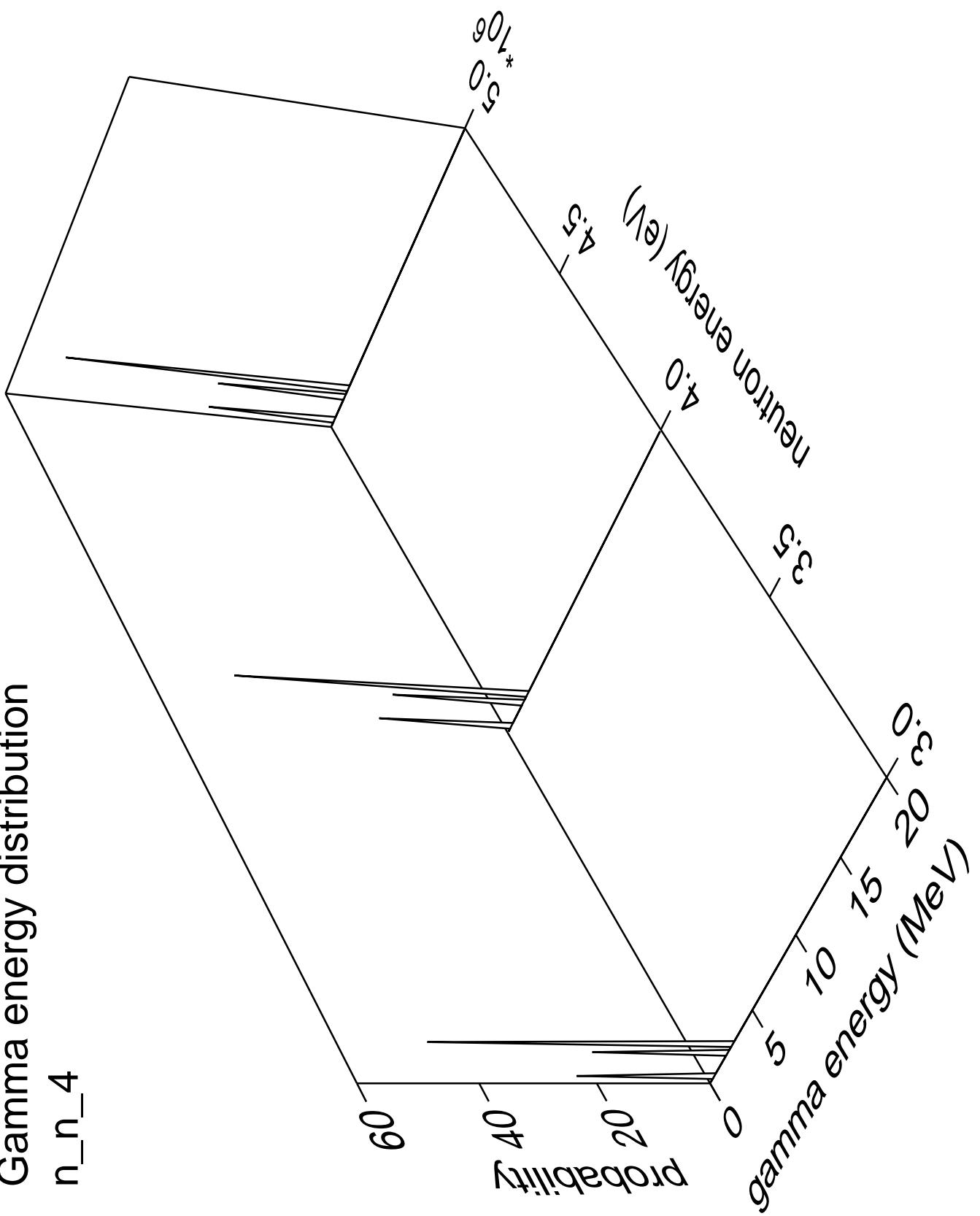
### Gamma multiplicities distribution

$n_{n\_3}$

Probability



# Gamma energy distribution n\_n\_4



Gamma angles distribution

n\_n\_4

Probability

$10^0$

$\cos(\theta)$

1.0 0.5 0.0 -0.5 -1.0

Neutron energy ( $\epsilon_{VL}$ )

4.0

3.5

0.5 0.0 -0.5 -1.0

$10^0$   
 $10^{-0.5}$

$10^{-1}$

$10^{-1.5}$

$10^{-2}$

$10^{-2.5}$

$10^{-3}$

$10^{-3.5}$

$10^{-4}$

$10^{-4.5}$

$10^{-5}$

$10^{-5.5}$

$10^{-6}$

$10^{-6.5}$

$10^{-7}$

$10^{-7.5}$

$10^{-8}$

$10^{-8.5}$

$10^{-9}$

$10^{-9.5}$

$10^{-10}$

$10^{-10.5}$

$10^{-11}$

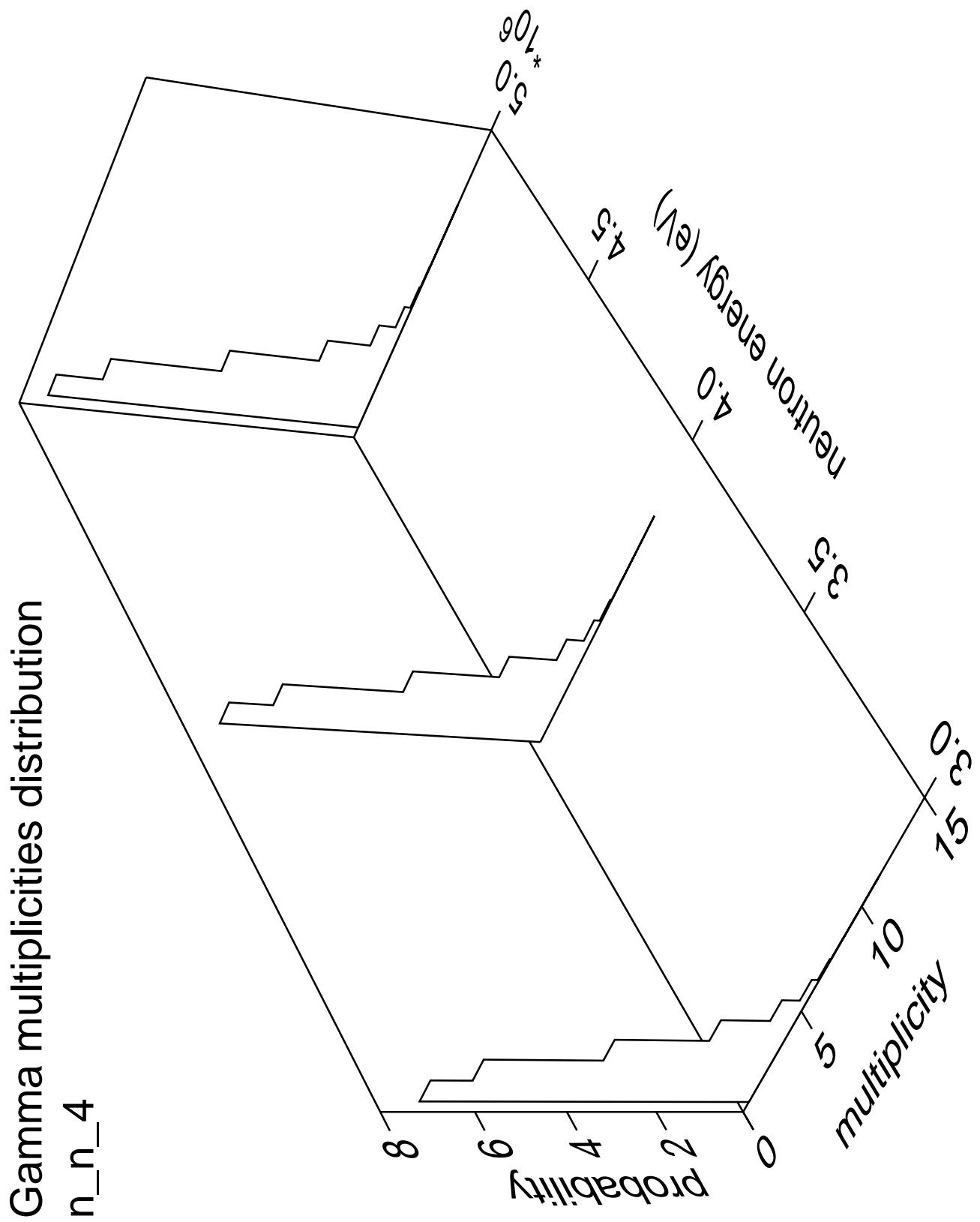
$10^{-11.5}$

$10^{-12}$

$10^{-12.5}$

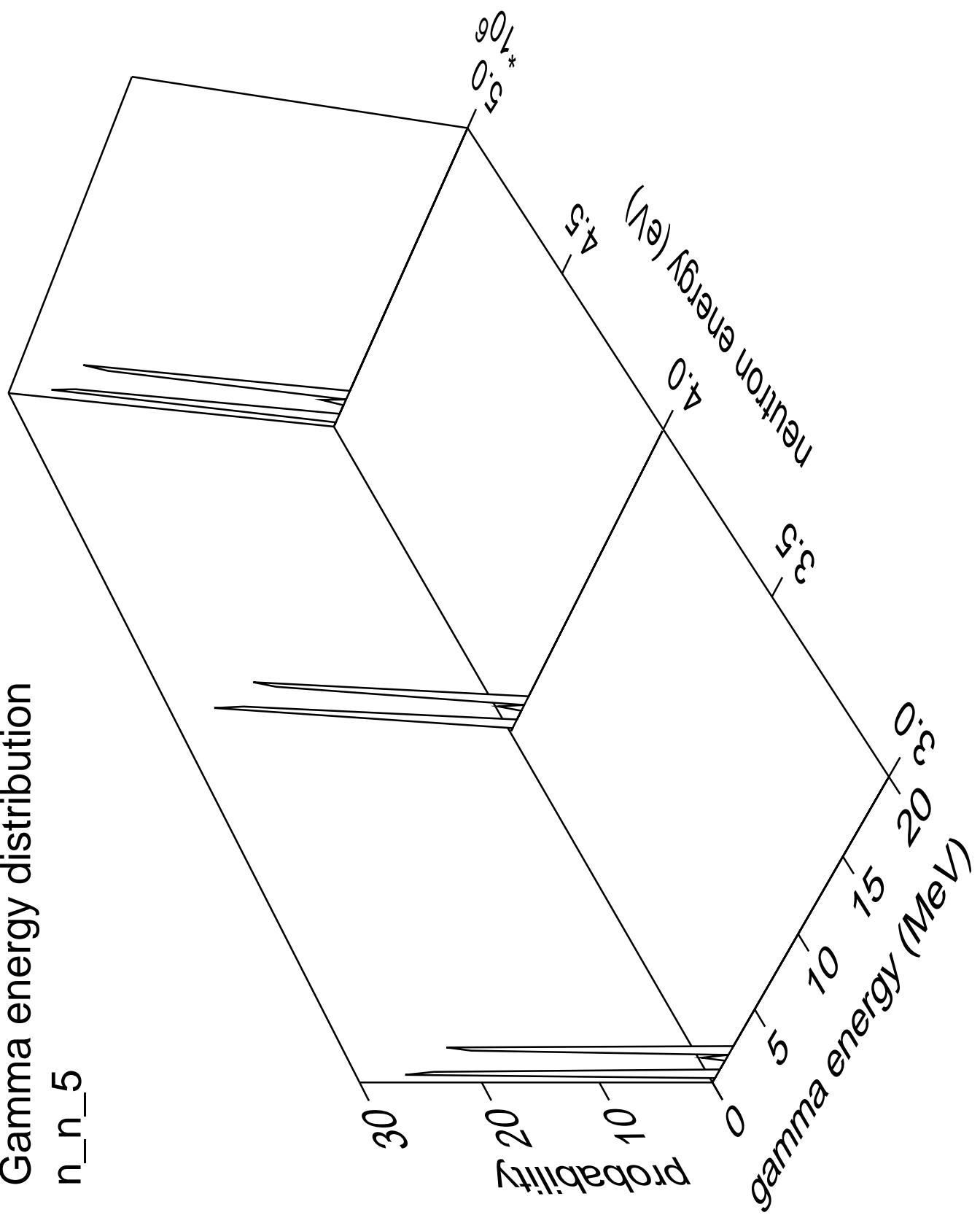
$10^{-13}$

$10^{-13.5}$



### Gamma energy distribution

n\_n\_5



Gamma angles distribution

n\_n\_5

Probability

$10^0$

$\cos(\theta)$

1.0

0.5

0.0

-0.5

-1.0

$10^0$

5.0

1.0

4.5

4.0

3.5

3.0

2.5

2.0

1.5

1.0

0.5

0.0

-0.5

-1.0

-2.0

-2.5

-3.0

-3.5

-4.0

-4.5

-5.0

-10^0

-5.5

-6.0

-6.5

-7.0

-7.5

-8.0

-8.5

-9.0

-9.5

-10.0

-10^0

-10.5

-11.0

-11.5

-12.0

-12.5

-13.0

-13.5

-14.0

-14.5

-15.0

-15.5

-16.0

-16.5

-17.0

-17.5

-18.0

-18.5

-19.0

-19.5

-20.0

-20^0

-20.5

-21.0

-21.5

-22.0

-22.5

-23.0

-23.5

-24.0

-24.5

-25.0

-25^0

-25.5

-26.0

-26.5

-27.0

-27.5

-28.0

-28.5

-29.0

-29.5

-30.0

-30^0

-30.5

-31.0

-31.5

-32.0

-32.5

-33.0

-33.5

-34.0

-34.5

-35.0

-35^0

-35.5

-36.0

-36.5

-37.0

-37.5

-38.0

-38.5

-39.0

-39.5

-40.0

-40^0

-40.5

-41.0

-41.5

-42.0

-42.5

-43.0

-43.5

-44.0

-44.5

-45.0

-45^0

-45.5

-46.0

-46.5

-47.0

-47.5

-48.0

-48.5

-49.0

-49.5

-50.0

-50^0

-50.5

-51.0

-51.5

-52.0

-52.5

-53.0

-53.5

-54.0

-54.5

-55.0

-55^0

-55.5

-56.0

-56.5

-57.0

-57.5

-58.0

-58.5

-59.0

-59.5

-60.0

-60^0

-60.5

-61.0

-61.5

-62.0

-62.5

-63.0

-63.5

-64.0

-64.5

-65.0

-65^0

-65.5

-66.0

-66.5

-67.0

-67.5

-68.0

-68.5

-69.0

-69.5

-70.0

-70^0

-70.5

-71.0

-71.5

-72.0

-72.5

-73.0

-73.5

-74.0

-74.5

-75.0

-75^0

-75.5

-76.0

-76.5

-77.0

-77.5

-78.0

-78.5

-79.0

-79.5

-80.0

-80^0

-80.5

-81.0

-81.5

-82.0

-82.5

-83.0

-83.5

-84.0

-84.5

-85.0

-85^0

-85.5

-86.0

-86.5

-87.0

-87.5

-88.0

-88.5

-89.0

-89.5

-90.0

-90^0

-90.5

-91.0

-91.5

-92.0

-92.5

-93.0

-93.5

-94.0

-94.5

-95.0

-95^0

-95.5

-96.0

-96.5

-97.0

-97.5

-98.0

-98.5

-99.0

-99.5

-100.0

-100^0

-100.5

-101.0

-101.5

-102.0

-102.5

-103.0

-103.5

-104.0

-104.5

-105.0

-105^0

-105.5

-106.0

-106.5

-107.0

-107.5

-108.0

-108.5

-109.0

-109.5

-110.0

-110^0

-110.5

-111.0

-111.5

-112.0

-112.5

-113.0

-113.5

-114.0

-114.5

-115.0

-115^0

-115.5

-116.0

-116.5

-117.0

-117.5

-118.0

-118.5

-119.0

-119.5

-120.0

-120^0

-120.5

-121.0

-121.5

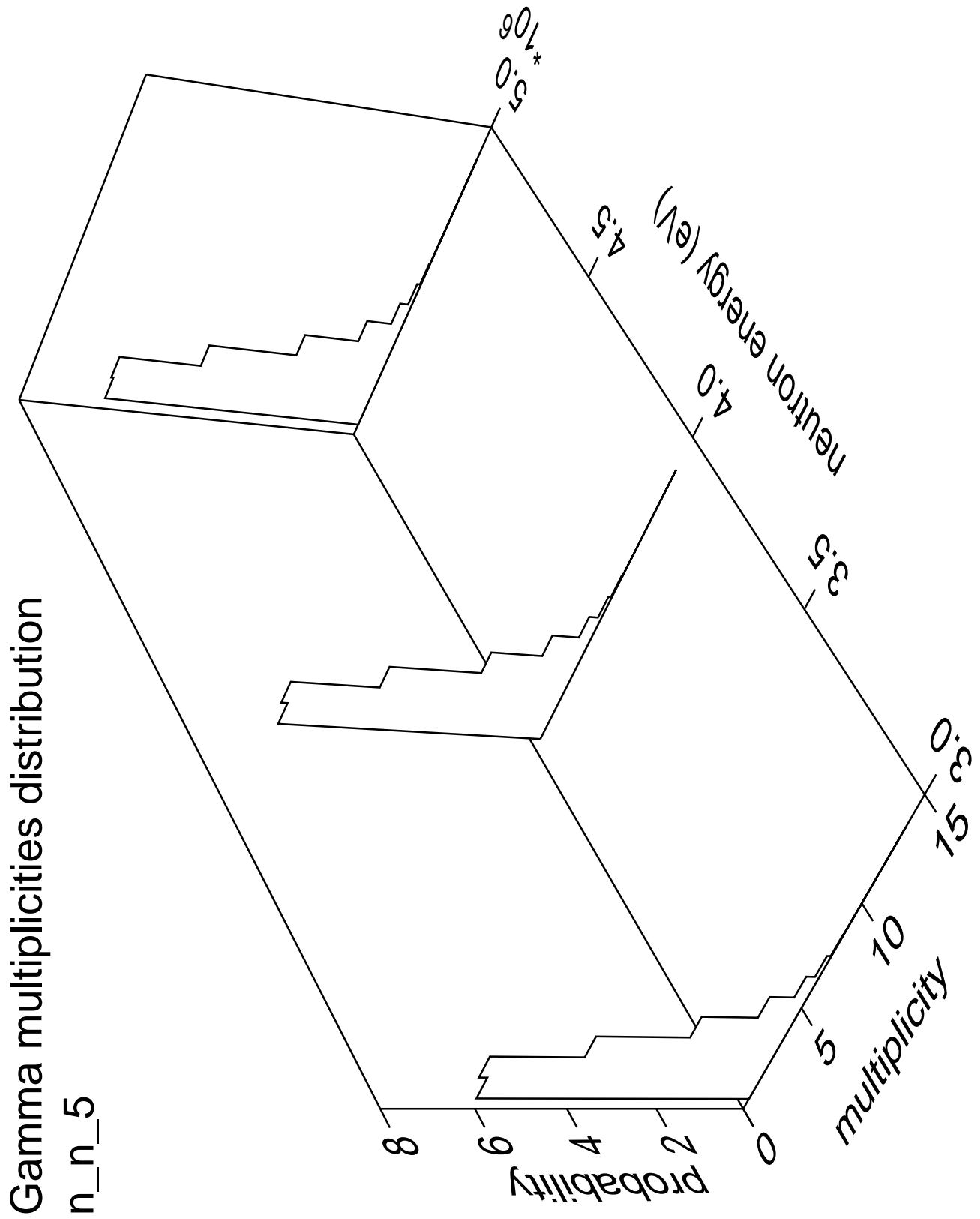
-122.0

-122.5

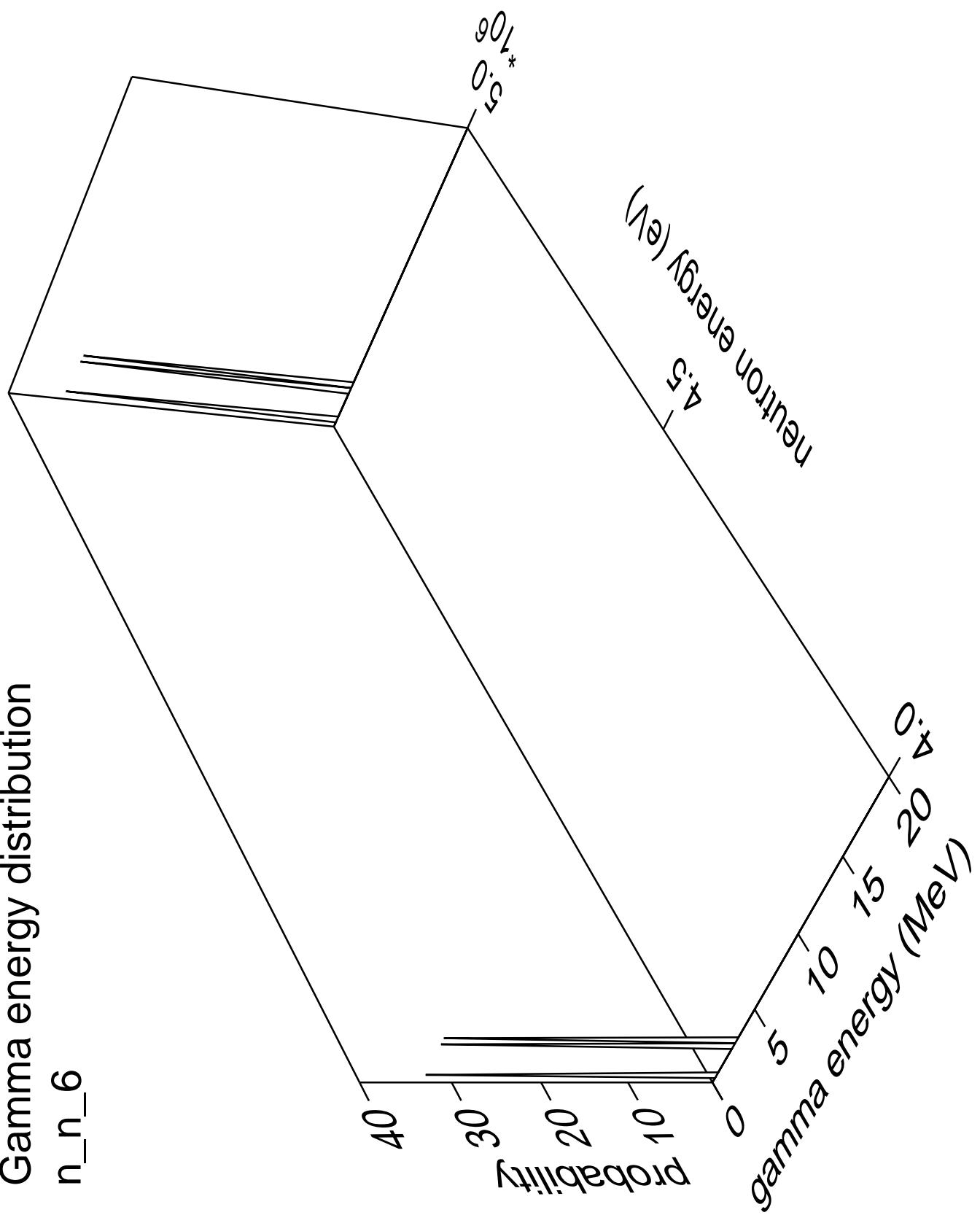
-123.0

-123.5

-



## Gamma energy distribution



Gamma angles distribution

n\_n\_6

Probability

$10^0$

$\cos(\theta)$

1.0

0.5

0.0

Neutron energy (eV)

4.5

5.0

10<sup>0</sup>  
5.0  
10<sup>0</sup>

Gamma multiplicities distribution

n\_n\_6

Probability

multiplicity

10

5

15

0

10

5

15

0

Neutron energy (eV)

$10^6$

5.0

2.5

1.0

0.5

0.25

0.1

0.05

0.025

0.01

0.005

0.0025

0.001

0.0005

0.00025

0.0001

0.00005

0.000025

0.00001

0.000005

0.0000025

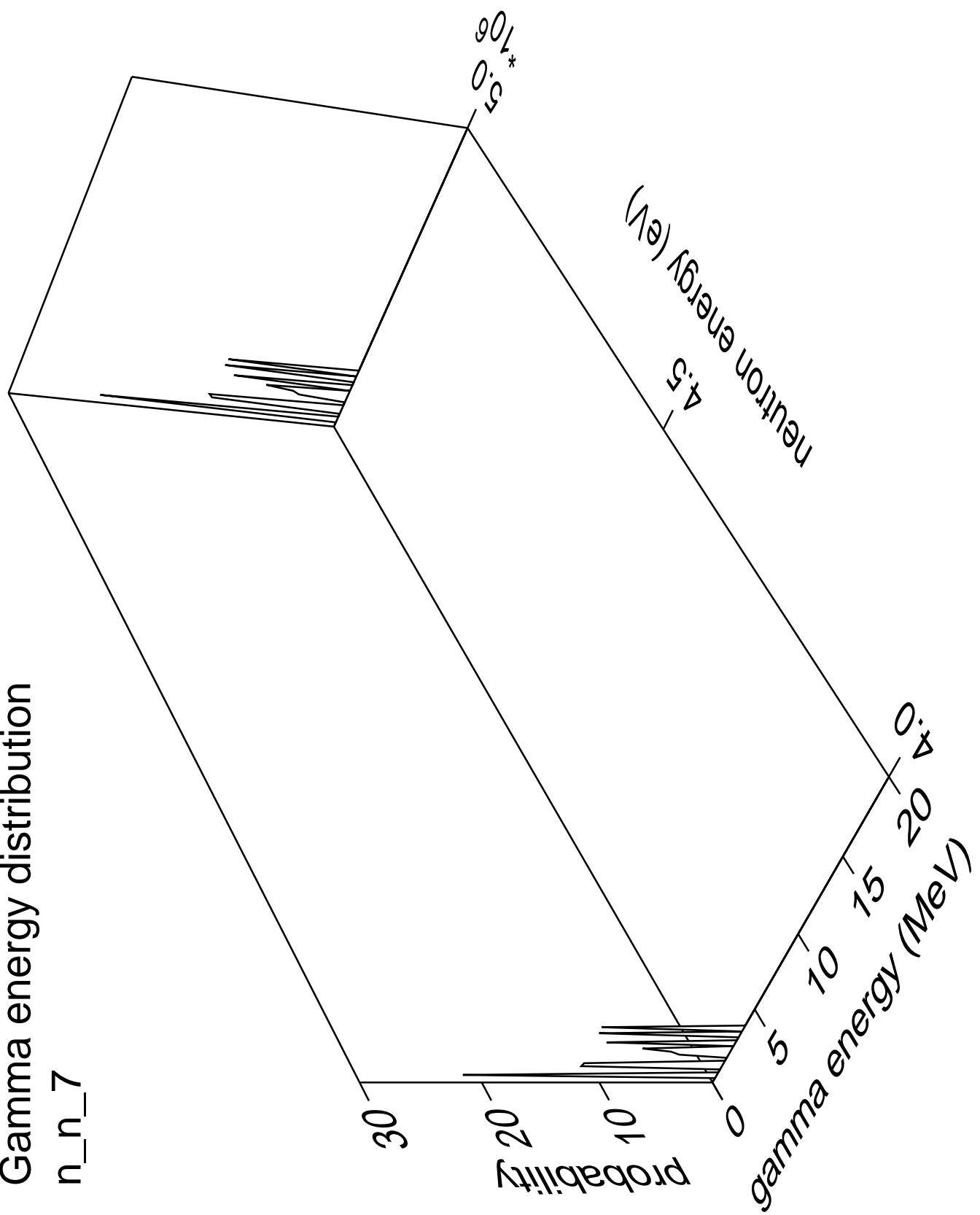
0.000001

0.0000005

0.00000025

0.0000001

# Gamma energy distribution



Gamma angles distribution

n\_n\_7

Probability

$10^0$

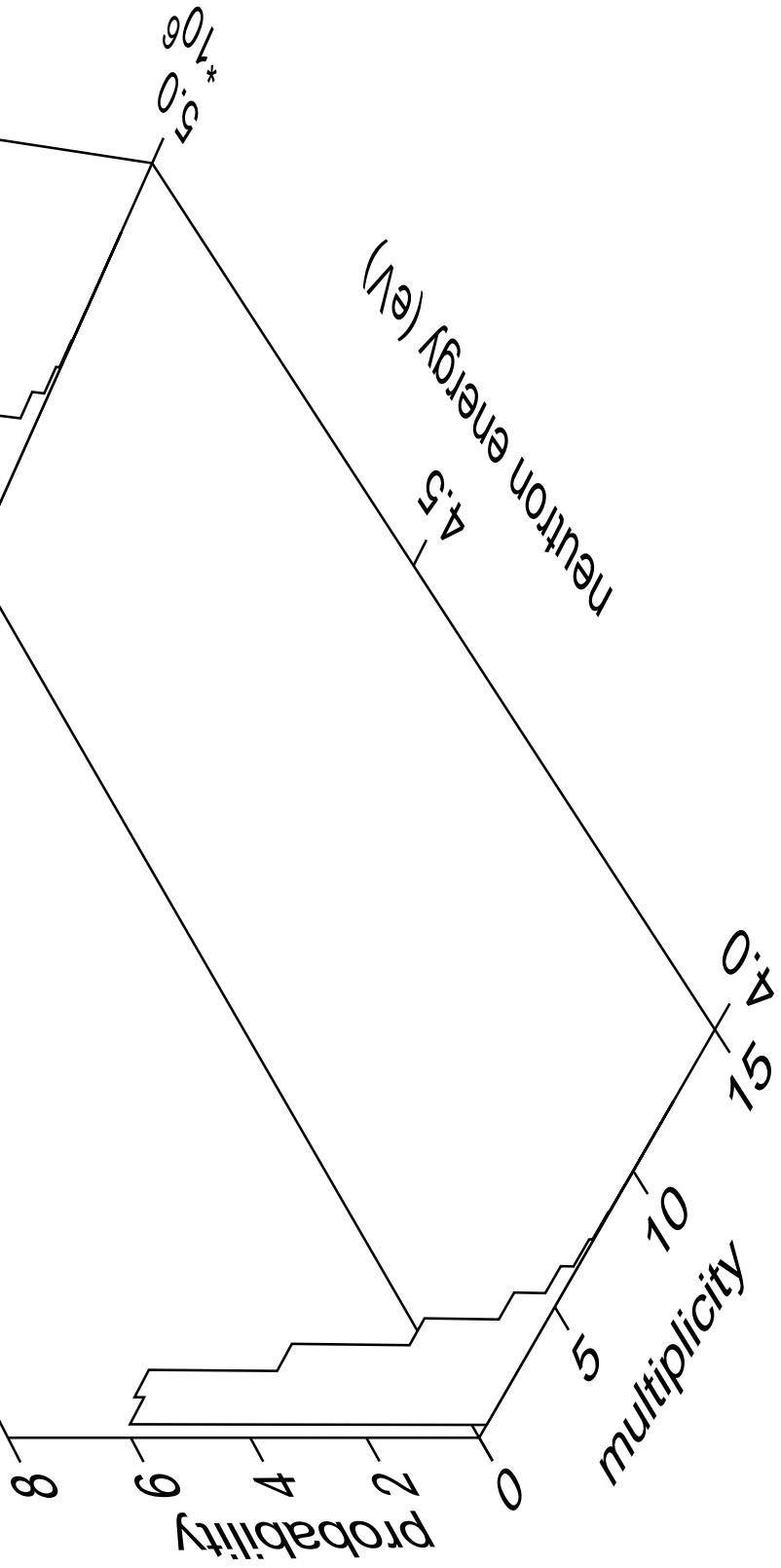
$10^0$   
 $5.0$

Neutron energy (eV)  
 $4.5$

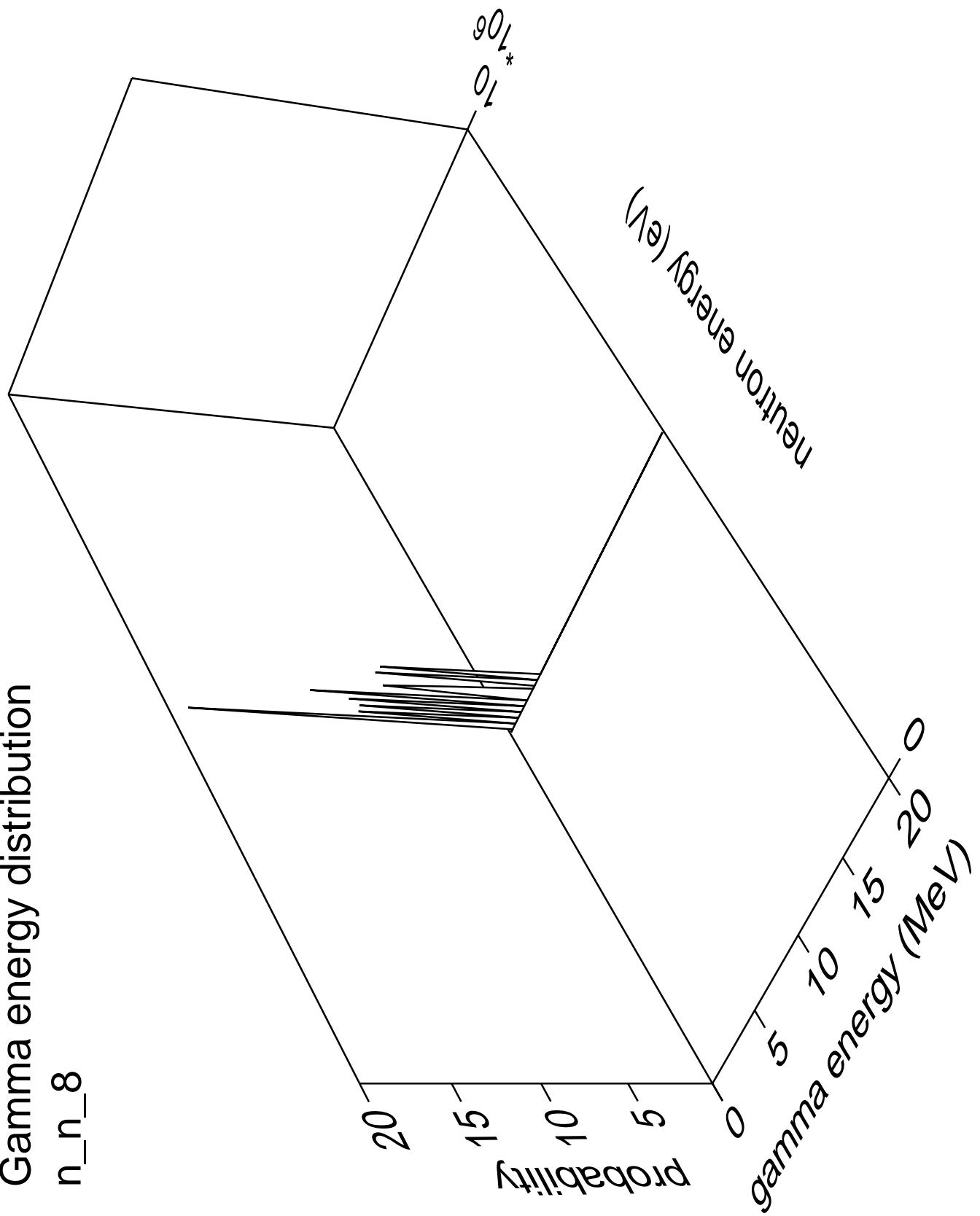
$\cos(\theta)$   
 $1.0$     $0.5$     $0.0$     $-0.5$     $-1.0$

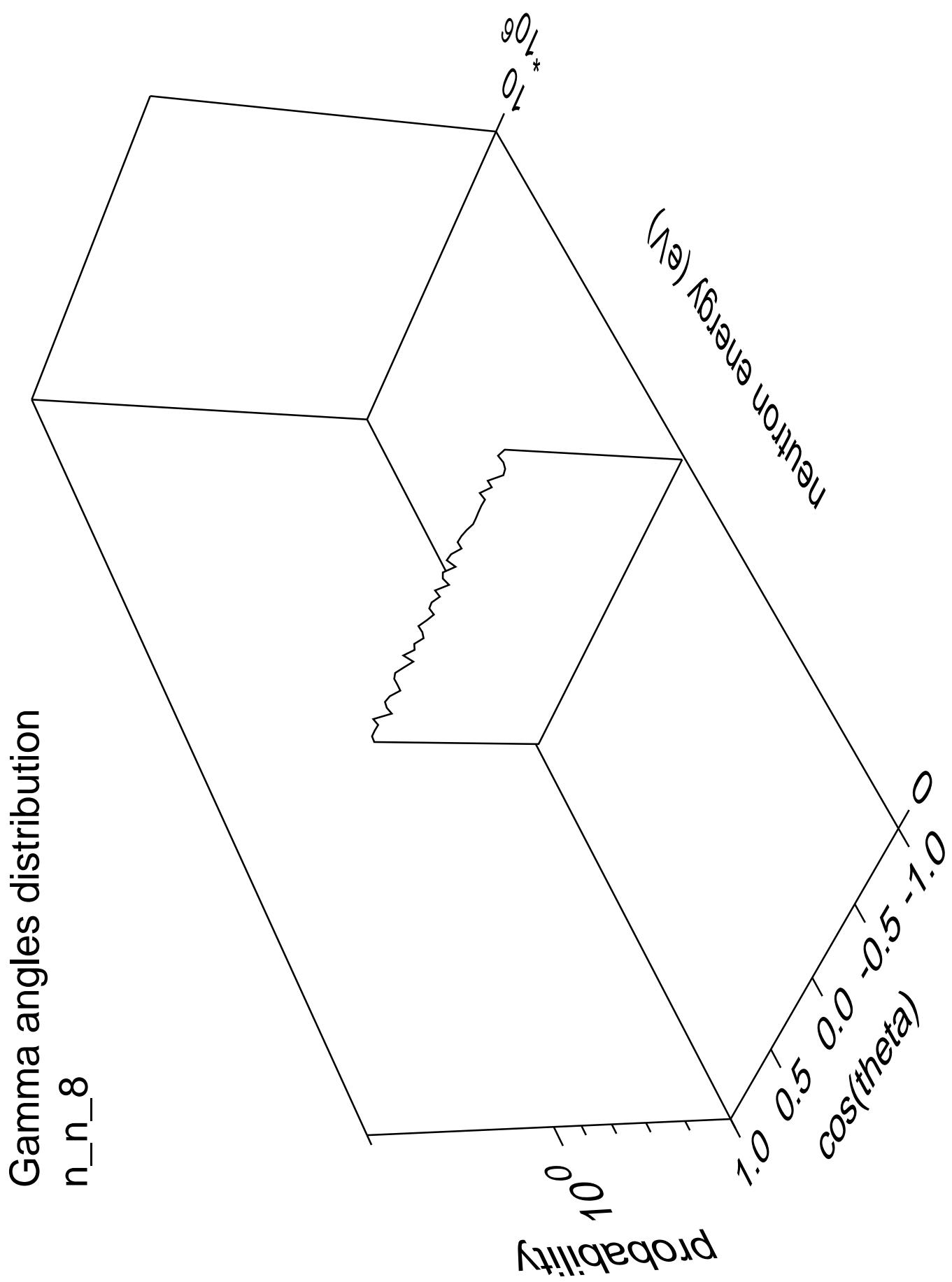
# Gamma multiplicities distribution

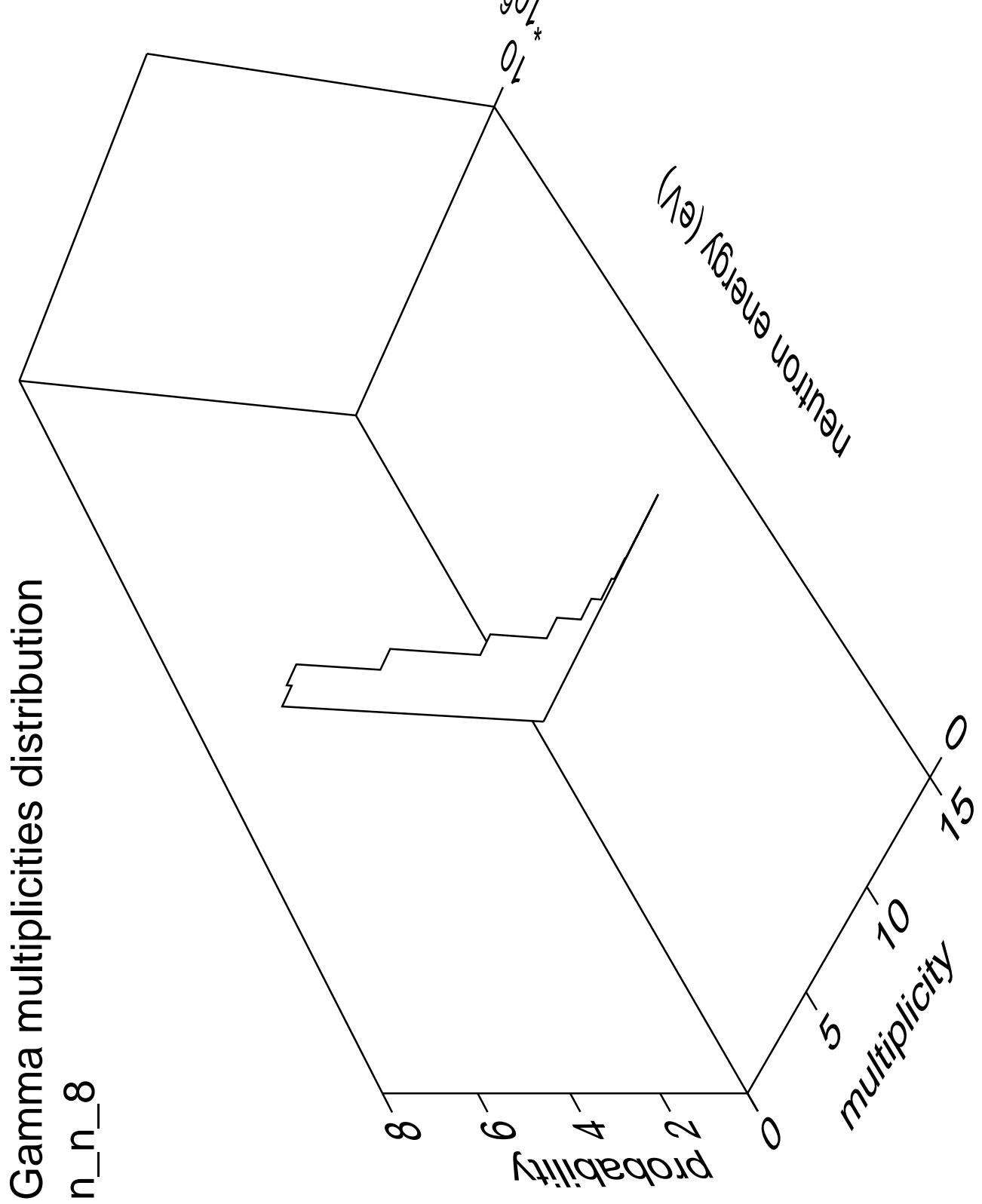
$n_n_7$



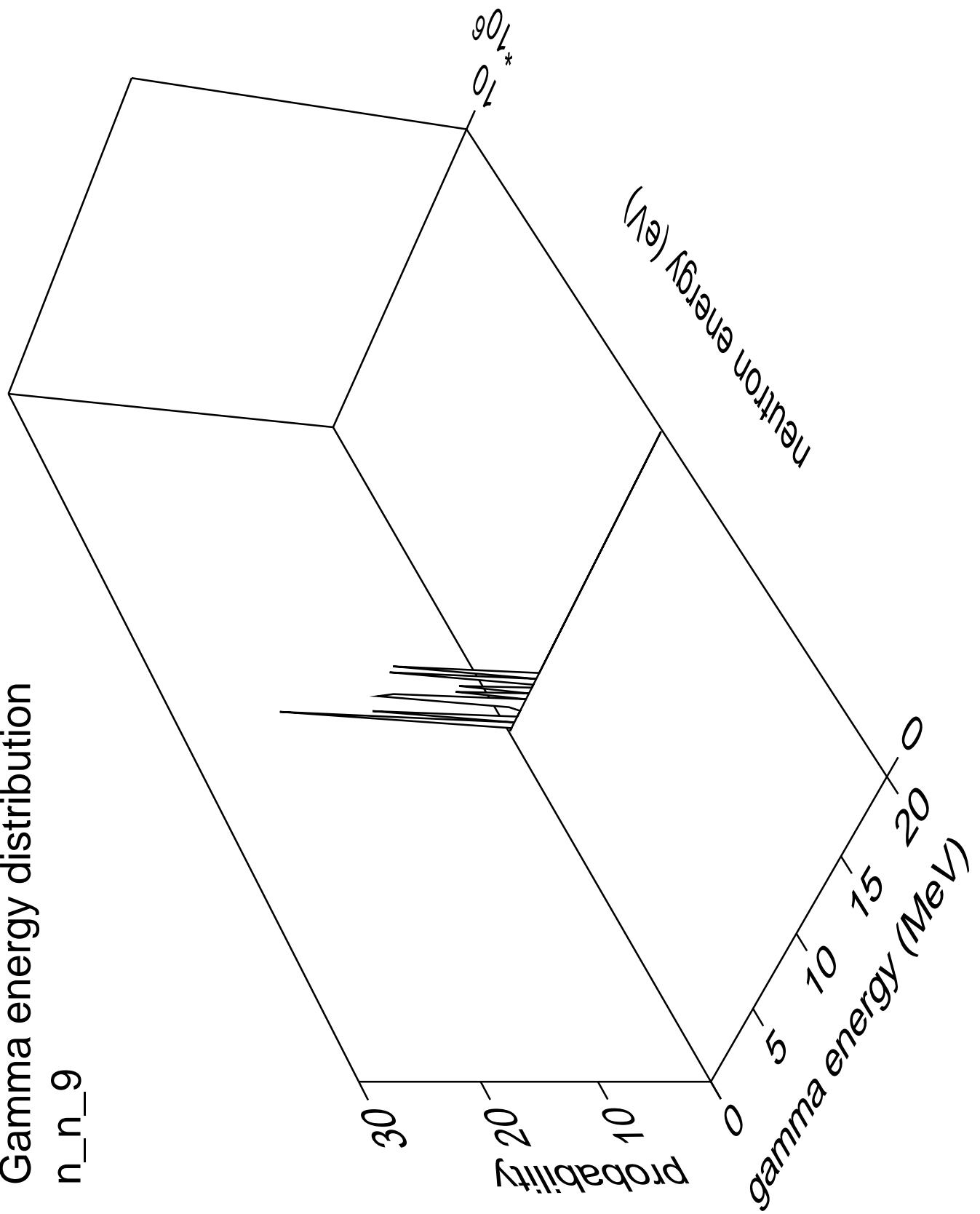
# Gamma energy distribution n\_n\_8

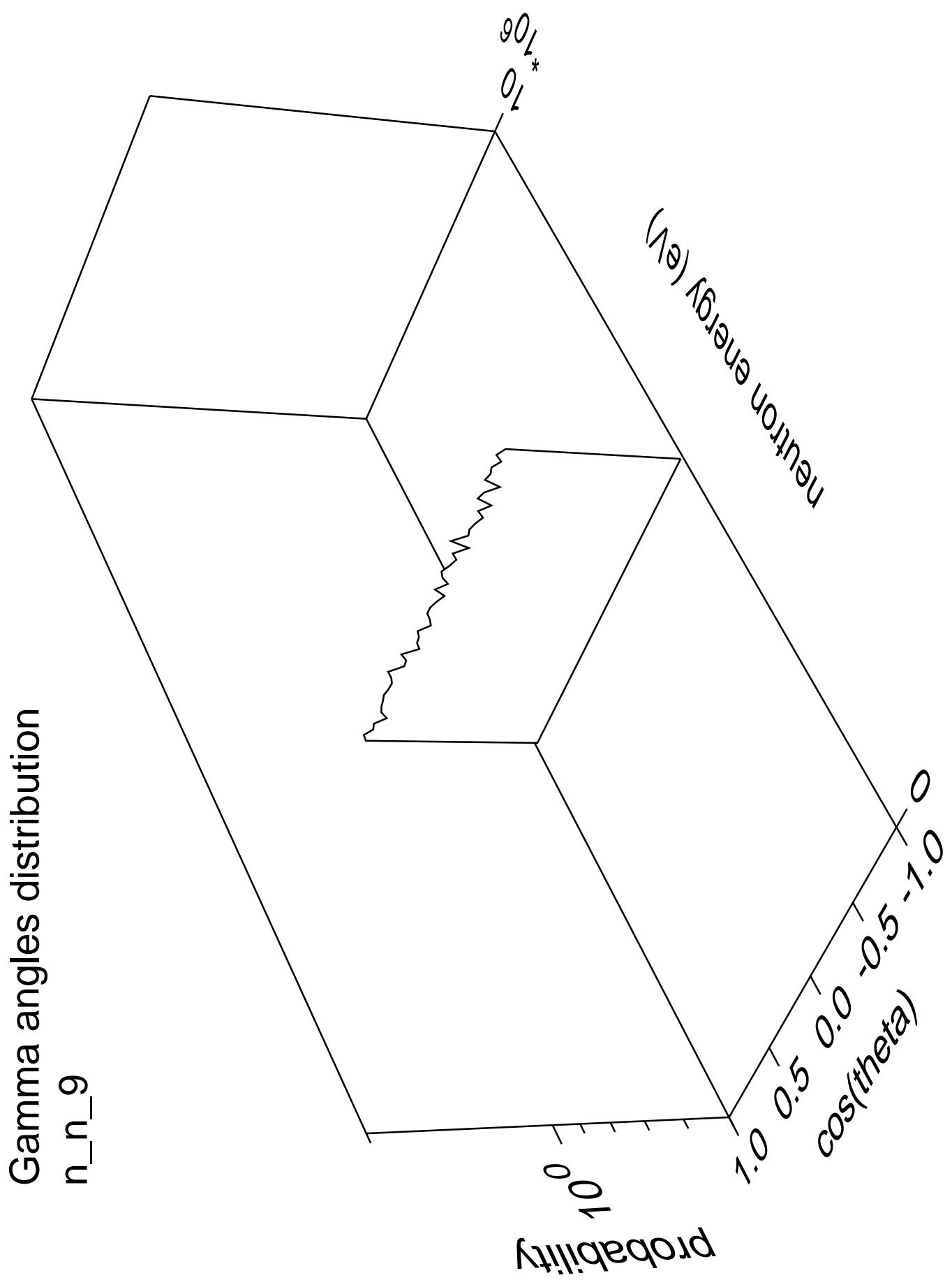


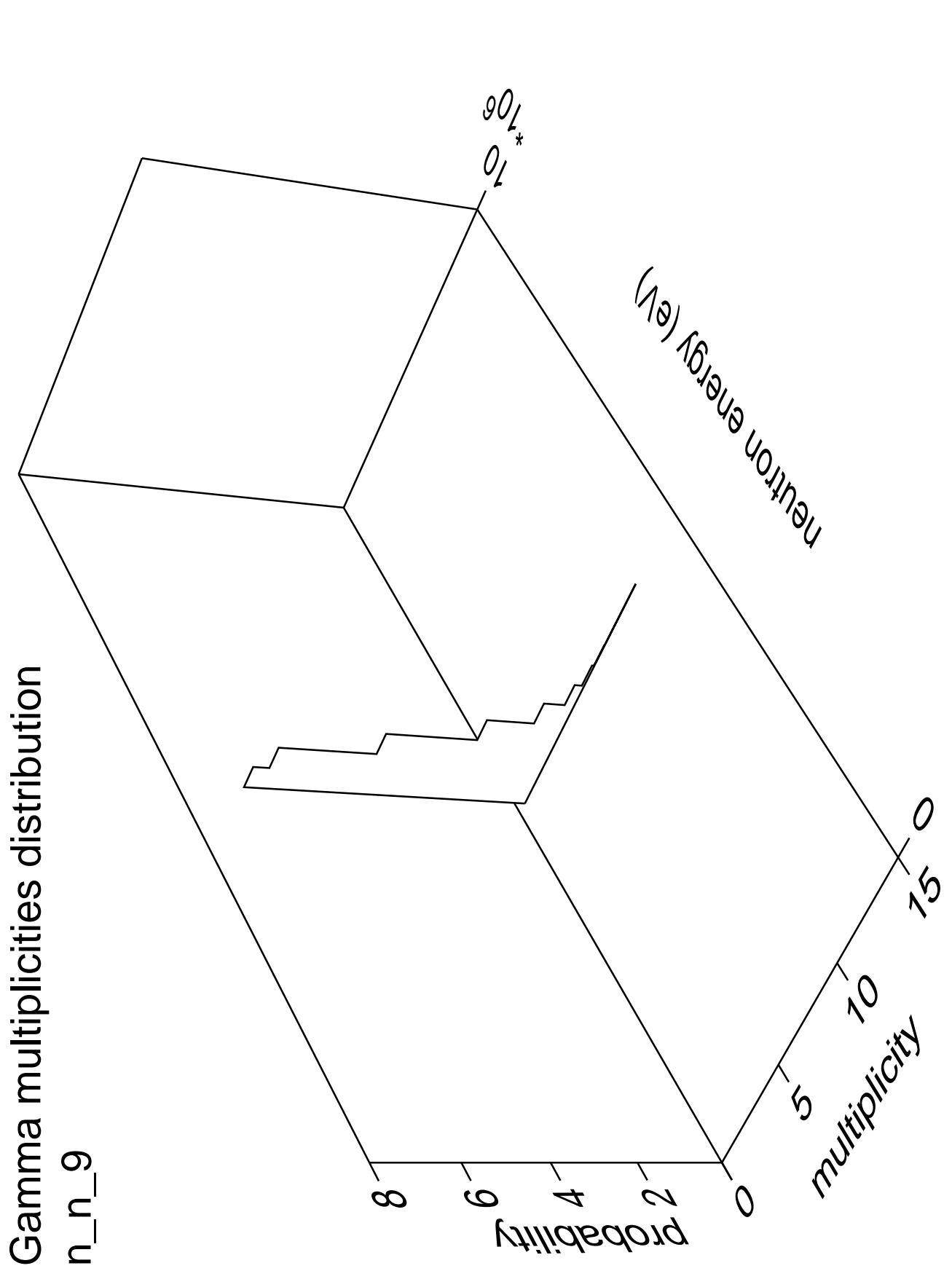




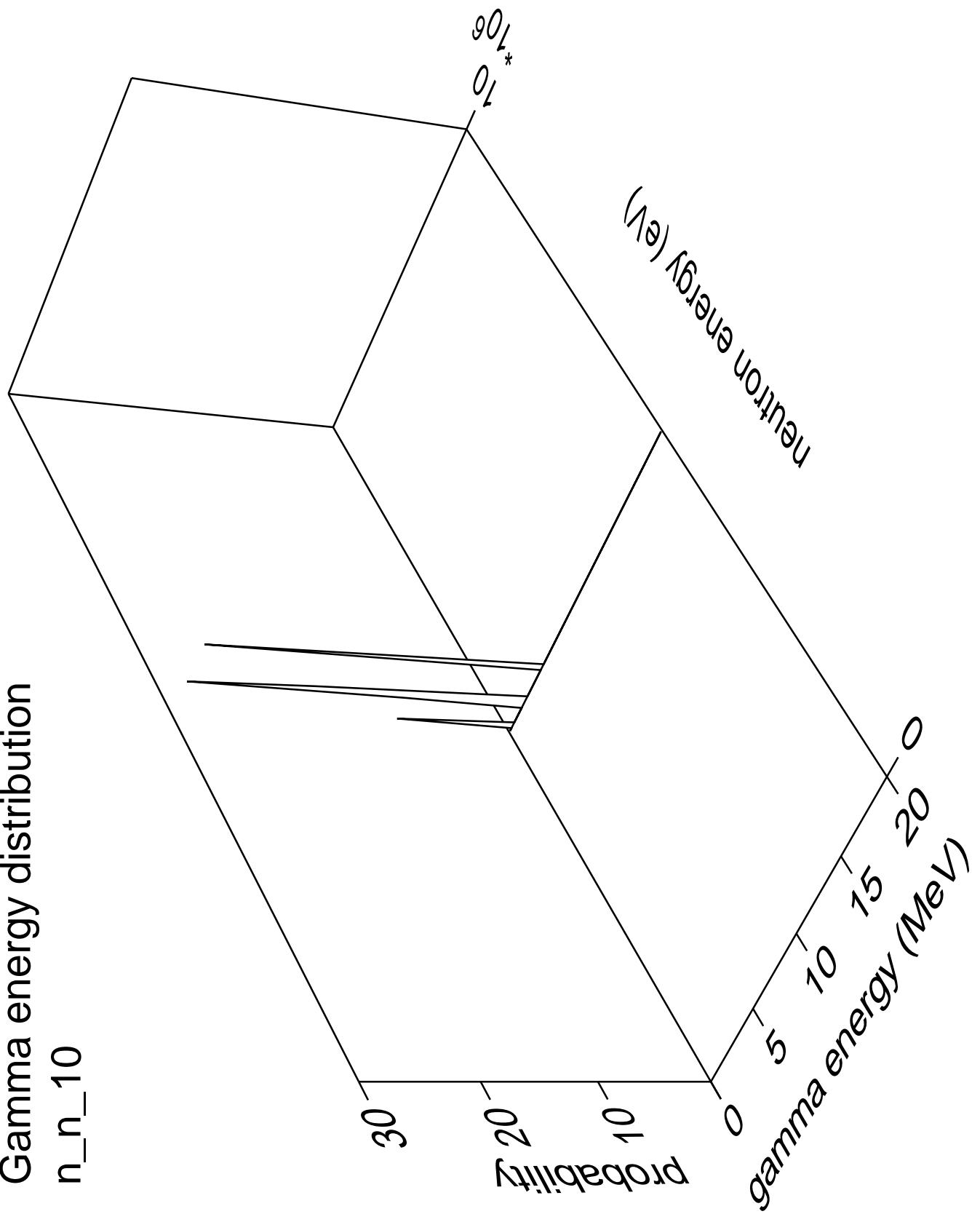
# Gamma energy distribution n\_n\_9

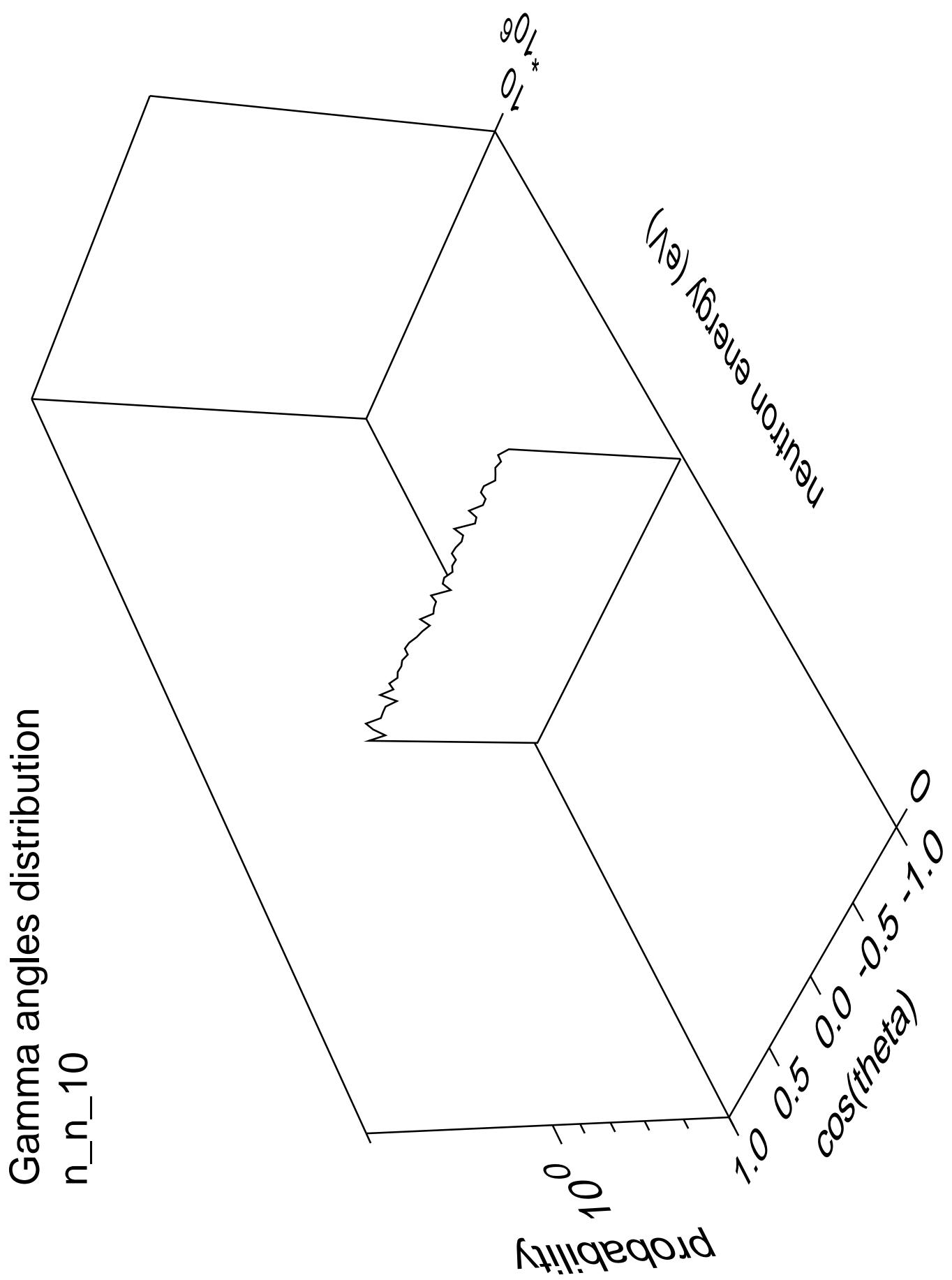


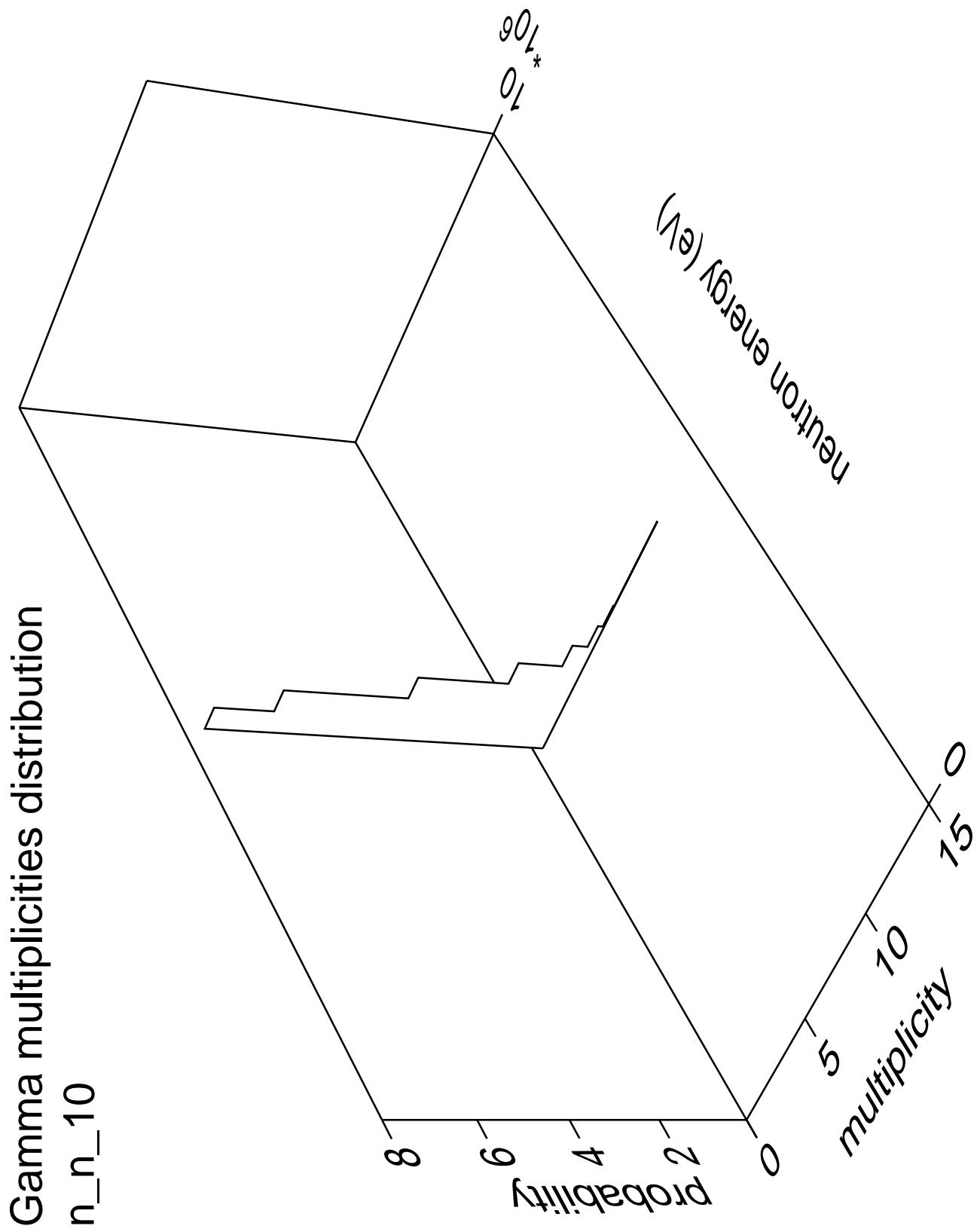




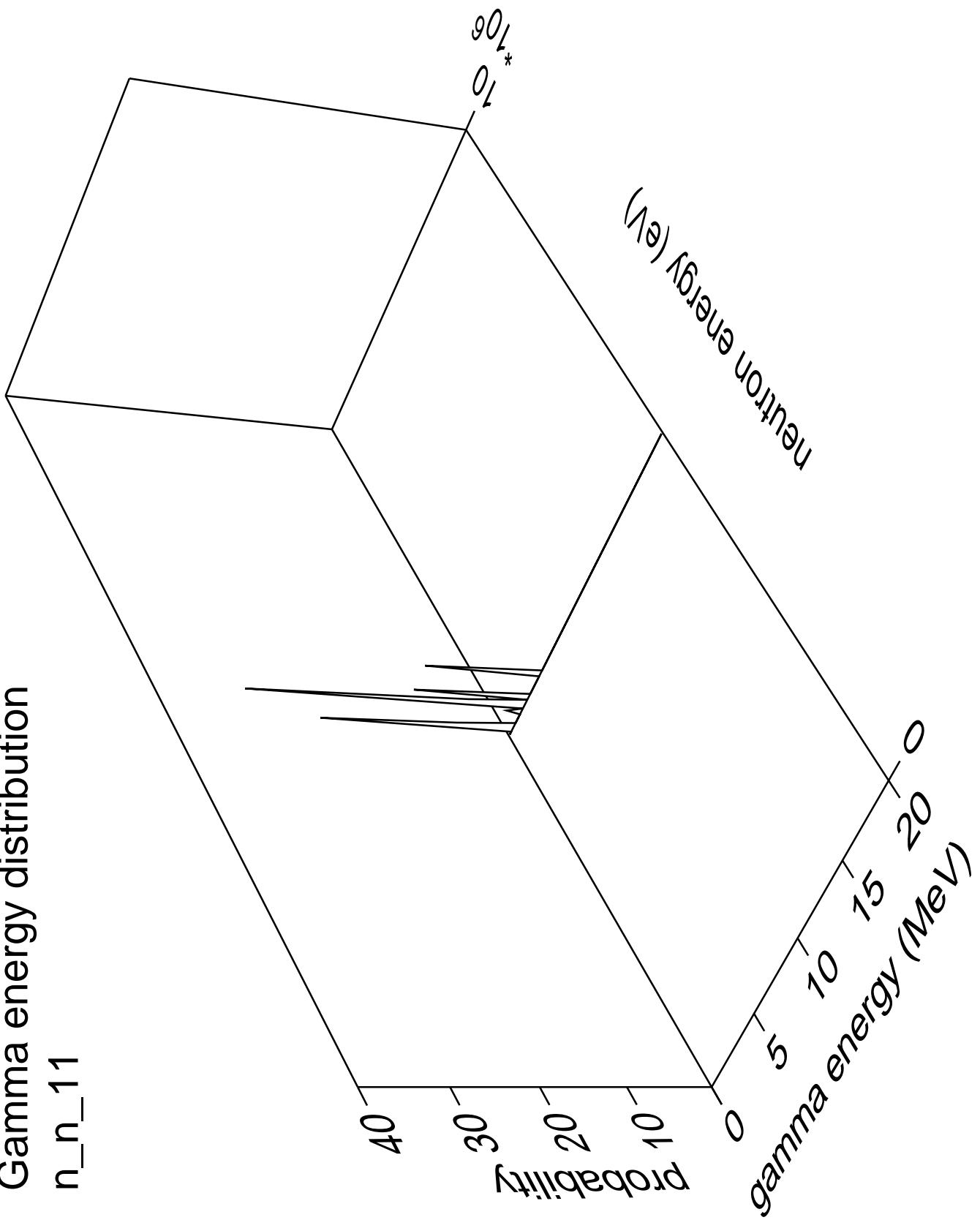
Gamma energy distribution  
n\_n\_10







# Gamma energy distribution n\_n\_11



Gamma angles distribution

n\_n\_11

Probability

$10^0$

$\downarrow$

$1.0$

$0.5$

$0.0$

$-0.5$

$-1.0$

$\cos(\theta)$

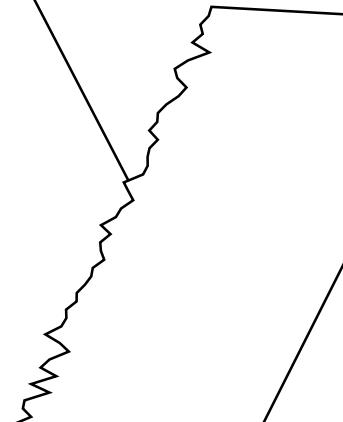
neutron energy (eV)

$10^0$

$10^1$

$10^2$

$10^3$



# Gamma multiplicities distribution $n_n_{11}$

